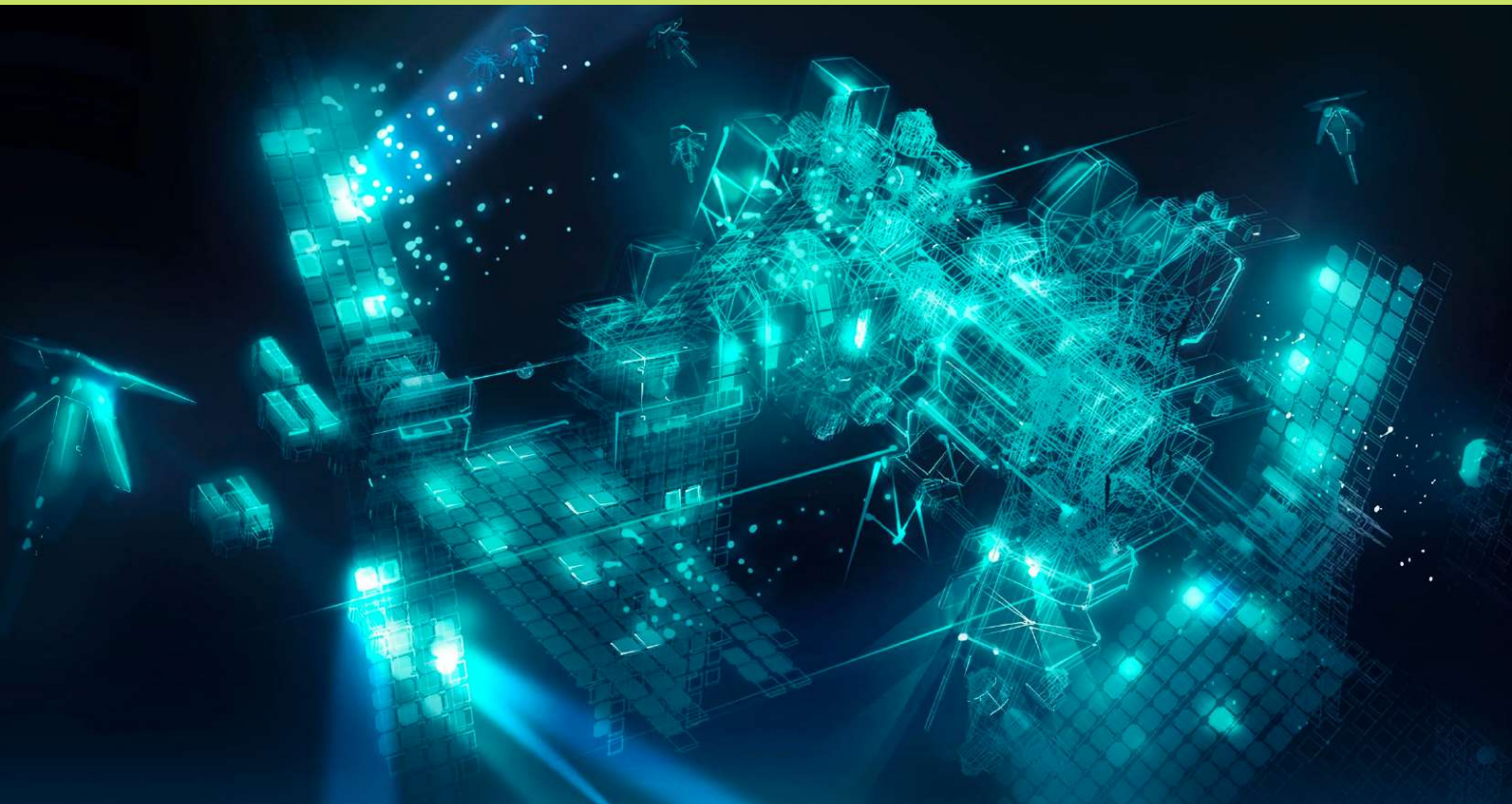# SRI VENKATESWARA COLLEGE OF ENGINEERING(AUTONOMOUS)

DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING

E-YATRA

2019-2020

ENVISION   EXPLORE   EXCEL

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ABOUT

About the College

Since its inception in 1985, Sri Venkateswara College of Engineering has taken long strides and grown in stature and reputation in the province of engineering education. The College is in its 34th year. In these thirty four years of the journey it has progressed a lot.

Learning, at SVCE, has never been limited to the classroom, learners are exposed to a variety of activities – curricular and extra-curricular – that help them to hone their skills and develop rounded personality, receive a career-focused education and earn a name for themselves and for their alma mater.

It has gained the reputation of offering exceptional engineering education as proven by the scholarly accomplishment of its students. It has also made certain remarkable contributions to engineering education.

E-YATRA
2019-2020

About The Department

The Department of Computer Science and Engineering was established in the year 1985. Over the past few years, the department has acquired national and international importance. This has been achieved by the collective and responsive effort of the faculty, the supporting staff and the students. The department is well equipped with excellent computing facilities, and has highly qualified faculty specialized in areas like Cloud Computing, Artificial Intelligence, Machine Learning, Data Analytics, Networking, Data Mining etc.

Programmes offered by the department are

- B.E. Computer Science and Engineering
- M.E. Computer Science and Engineering
- Ph.D. Computer Science and Engineering

Next:

Message from The H.O.D.

E-YATRA
2 0 1 9 - 2 0 2 0

Message From the H.O.D.

I would like to express my sincere appreciation for all the tremendous efforts put forth by the Magazine team in the academic year 2019-2020. This Magazine 'E-Yatra' is a forum to expose the events, happenings, and achievements in the department as well as provide a platform to exhibit the talents of the budding engineers and the faculty as well.

It also helps in building up teamwork among the students, which is very much important in this competitive world. I hope the students can make use of this opportunity to develop their inherent talents and actively contribute the same to the magazine.

E-YATRA

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CREATIVE CORNER

E-YATRA

WRITER'S AVENUE

"Words are our most inexhaustible source of magic"

As a writer, we hold the capability of being able to express our thoughts and feelings onto a page when our voice fails us. Let it be ballads of melancholy or glee, either path we take is a journey of self discovery. With every word we write, we grow lighter until we find ourselves another role to play and discover..

Big Data Analytics- an Overview

Baanu Rekha. S, CSE

Big data analytics is used for uncovering information such as the data patterns, trends and correlations from a large amount of diverse data which may be structured as in Excel, SQL semi structured as in emails, markup languages like XML, HTML or unstructured as in images or videos. The characteristics of big data is generally defined by 3'V's which are volume, velocity and variety as stated by Doug Laney in 2001.Currently it is extended upto 10'V's and more. Let's look into the current general representation of 5'V's which includes veracity and value along with the other three V's.
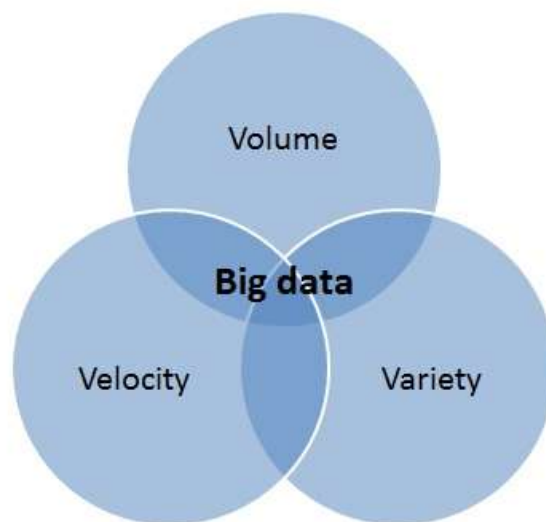
Volume refers to the enormous amount of data to be dealt with. Velocity refers to the speed at which the data is generated and how fast the continual flow of data is. Variety refers to the diversity in the types of data such as structured which are organized and has a definite format, semi structured which has properties for organizing but does not reside in a relational database which can further be organized and unstructured which cannot fit into a relational database.

Veracity refers to the level of truthfulness or quality of the collected data wherein inconsistencies in data may give a misleading output. Value refers to the patterns or information collected from a big data and how much it is useful to the organization working with it.

So what's the difference between traditional data analytics and big data analytics? Big data analytics deals with heavy sized data in terabytes or petabytes, whereas traditional data analytics deals with only megabyte or gigabyte sized data.Usually traditional data analytics use structured data for prediction and uncovering patterns would not be much difficult and uses simple tools like Python, Tableau, Apache Spark etc... Whereas in big data analytics we use variety of data which need the help of many advanced tools like Apache Hadoop, NoSQL databases like MongoDB, Cassandra etc… to uncover the knowledge. Data analytics just deals with discovering insightful patterns for business development whereas big data analytics includes customer analysis, website management, fraud detection etc…

Big data and Internet of Things (IoT) are closely linked to each other, IoT technologies are used to collect data from various sources, which are in unstructured form and big data processes collect and store them for further analytics purposes using Hadoop or Spark tools, thereby generating meaningful patterns from the data. Big data mainly uses predictive analysis in IoT devices which uses machine learning for analyzing past data and producing probabilities for futuristic purposes.

Many cloud computing techniques are also linked to big data analytics. There are several service types in Cloud like Infrastructure as a Service(IaaS) used in public cloud where Big data services helps us to access unlimited storage, Platform as a Service(PaaS) used in private cloud where Big data eliminates the need for supervision of the problems of a single software and hardware elements while dealing with large volumes of data andSoftware as a Service(SaaS) used in hybrid cloud uses big data analytic techniques for conducting analysis on the abundant volumes of data.

Hadoop is one of the major big data analytics tools and it has many modules like Hadoop Distributed File System (HDFS), MapReduce, Yet Another Resource Manager (YARN) and Common. HDFS provides access to application data where data is distributed over several machines to reduce data loss and to perform several parallel tasks on big data. YARN provides the framework (API's) to schedule jobs and manage resources across the cluster that holds the data. MapReduce is basically a data processing tool by which data can be processed parallel in the distributed systems. Common consists of utilities necessary for the other three modules present in a Hadoop cluster.

The current trends for big data analytics include Natural Language Processing (NLP) for decoding the meaning of human languages by AI systems, Edge Computing which reduces long distance connection between client and server, Predictive Analytics which uncovers the data patterns and the issues which may arise while analyzing the data and Hybrid clouds which provide flexibility and many data deployment processes between private and public clouds.

Data Analysts specializing in Big Data require certain skillsets which include programming skills in languages like Java, Python, R, Ruby and many more languages, not excluding quantitative aptitude in statistical mathematics, possession of knowledge on various computational frameworks like NoSQL databases, Hadoop, Data warehousing skills and Business Intelligence (BI) for understanding the business world.

Hence big data plays a major role in the domain of customer retention, focus and targeted promotion, cost optimization and proves as a powerful tool for organization irrespective of the size and industry.

An almost religious case for Rust

Priyanka Ananth

The Rust community is known to be very passionate about Rust, some would argue it's almost like a cult. It's very likely that I'm not going to help this cause because in this article I'm going to make a case that Rust has made me a better engineer and a better human being.

Normally articles about Rust are very technical (understandably so) but today I'd like to share some less obvious aspects of learning Rust from the perspective of a fellow layman.

My background is more of C#/C++ and Python specialization. Before learning Rust I had a great time: I've been coding discord bots in Python in successful projects and building software on the cutting edge of .NET. But deep inside I was never satisfied with what I've been doing. I always thought it was impostor syndrome but somehow this feeling disappeared after I switched to Rust. It felt like magic, my somewhat apathetic state faded away and I rediscovered my love for software development. After a prolonged self-reflection I found three key reasons behind the mood change:

1. Technical superiority of Rust
2. Open-source community
3. The type of projects

```rust
fn main() {
    // A simple integer calculator:
    // `+` or `-` means add or subtract by 1
    // `*` or `/` means multiply or divide by 2

    let program = "+ + * - /";
    let mut accumulator = 0;

    for token in program.chars() {
        match token {
            '+' => accumulator += 1,
            '-' => accumulator -= 1,
            '*' => accumulator *= 2,
            '/' => accumulator /= 2,
            _ => { /* ignore everything else */ }
        }
    }
}
```

#1. There's been more than enough articles on the technical aspects of how Rust compares to other languages and I don't want to repeat the same arguments. But all those brilliant ideas neatly put together was just the right thing to make me feel excited about software development again. I'm definitely not alone based on the amount of love Rust receives from engineers.

#2. Open-source community in .net has always felt close to non-existent in comparison to other, less centralized ecosystems. To be fair there's been a lot of improvement over the past 5-7 years but it's too little too late: the momentum is gone. In contrast, the open-source community in Rust is so healthy and vibrant, you just naturally want to be a part of it. We're working on open-source trading infrastructure and plan to open source as much of our work as possible.

```csharp
public class Person
{
    public int PersonId { get; set; }

    [Required]
    public string Name { get;

    [Phone]
    public string PhoneNumber

    [EmailAddress]
    public string Email { get; set; }
}
```

```html
<form method="post">
    <div asp-validation-summary="ModelOnly" class="text-dan
    <div class="form-group">
        <label asp-for="Person.Name" class="control-label">
        <input asp-for="Person.Name" class="form-control" /
        <span asp-validation-for="Person.Name" class="text-
    </div>
```

Name

The Name field is required.

PhoneNumber

55-555-5555

#3. This argument will probably water down as Rust gets more mainstream but right now the quality of projects in Rust is outstanding: a lot of ambitious ideas are being implemented specifically in Rust.

Learning process

Originally, I did not want to learn Rust but as soon as I started moving in this direction, there was no way to stop it. If you cannot resist - conquer it! So, I made a commitment to gradually migrate to Rust. It's probably hard to realize it now when Rust seems more and more mainstreamish but two years ago, it was a very scary decision.

What I did definitely had an element of gambling in it. But fortunately for soon after I started the learning process, Rust started blowing up, especially on the blockchain side of things.

While I do have my issues with C#, right now C# is arguably one of the best programming languages for complex backend software: it's fast, cross-platform, it has clear syntax and modern features. I don't even see much competition: using Python would be slow in production and hard to maintain due to poor type system, C/C++ would decrease development speed and regularly surprise you with memory leaks (even the best of us are prone to it), Swift is too niche, etc… The only language I can probably make a better case for is Kotlin but only if you're really into the Java ecosystem.

C# does a lot of things right and after shifting to a lower level language we expected the development to get significantly slower. In reality, while it's hard to measure precisely, there was definitely no drastic decrease in developers performance.

Introducing
BlindAI

an open-source privacy-friendly AI deployment in Rust

Conclusion

Overall, for me, learning Rust was a very positive experience: everything got together in an absolutely perfect way. While Rust clearly was not the only reason behind all those advances, it was definitely a key element of it.

I hope the content of the article did not offend anyone who is into other languages. While I figured out what worked for me, there's no one right way to write software: the devil is in the details and there's a place for all kinds of languages.

MY FAVOURITE MONSOON DESTINATION(S)

Priyanka Ananth, CSE

It is important to explore around your home state in order to be more in tune with your culture. Once you go deep into it, you'll realize there's a lot of good monsoon destinations almost a hop away that you've never considered or tried to see in your life.

I live in Tamil Nadu, Chennai and have gone around various places at different points of my life. You'd be surprised to find the difference in culture, land and people in just 100kms.

There are three tourist destinations you can go for and what you choose is up to you. (Obviously there's more than 3, but we're going to cover as much today).

1. Ooty.
2. Pondicherry.
3. Kumbakonam

OOTY

It is a personal favourite of mine. It's a nice place to go and relax especially during the monsoon seasons where the temperature will be lesser than the plains (it's a hill station) and the view, in my opinion is nothing but gorgeous be it from the clouds seemingly closer to land than ever and near infinite greenery, there's also wide spreads of tea plantation whose smells I cannot do justice by explaining in this blog.

Ooty is also well-known for its chocolate factory and chocolate making process.

It is a good place for vacation if you want a short break and relax for 3-4 days.

PONDICHERRY

While it is situated in the plains, it has significantly less humidity compared to where I come from. Formerly a French colony, it is known for its bourgeoisie shops. But we aren't going about that.

It can also be a good place to relax and there is no shortage of places to go, be it temples such as Manakulavinayagar temple (my father had to help me out in that), Auroville, a small experimental town, which has great beaches, lakes and a viewpoint you can take great pictures from.

It is a good place to go for a weekend retreat during monsoon.

KUMBAKONAM

If you are planning for a vacation during monsoon and you prefer it to be predominantly religious for any reason, what better place to go than here?

Situated in the city, Thanjavur, it is famous for its plethora of temples, mutts and so much more, it's also a lot better to go during the monsoon/winter season since most temples are made out stone, which absorbs heat during summer making visits to temples unbearable during summers. It is a good place to go for a vacation for 2-3 days.

While there are many other destinations available, these places are near and dear to my heart since I travelled to these places more than a few times each.

Cold Maiden

Thejaswini SR

Beautiful maiden. All alone.
Pale slender arms crossed
over her bosom,
Cold. Uninviting. A
diamond shield.
The slightest touch has you
bleeding, your blood the
ink she uses to write your
name on ancient
parchment. A meditative
state of mind hence
achieved.
"Another one bites the
dust." Says she.
Long dainty legs wading
through the midnight
stream, glistening like
silver under the starlight.
Alluring. Seductive.
Maddening.
The clacks of her heels the
siren's song that pulls all
weary men down under.
Into her ruthless trap.

Where she feasts and casts aside the remains. Shells of
many a man who've once shimmered under the
limelight.
"Charismatic ones with serpentine tongues, the power
to fell women with a single delicious whistle."
Now a hollow, shrivelled little thing.
Lifeless, prideless, used.
"A whale's carcass washed ashore."
Fair maiden. She does laugh.

The sweetest tinkles spilling from plush lips. Onlookers preening and cooing, begging her to grace them with forced giggles, chimes of bells to the ears.
Only those who've dealt with the Witch's cold wrath can hear the hideous bellowing cackles carry through the wind.

She sighs, an all but perfect smile melting away, leaving in its wake an icy blank stare.
Dagger eyes piercing your soul; turning away triumphantly.
The echo of her heels on marble, graceful strides carrying her away. The spectators of another man's fall spasm, sentient once again as the Witch's spell breaks.
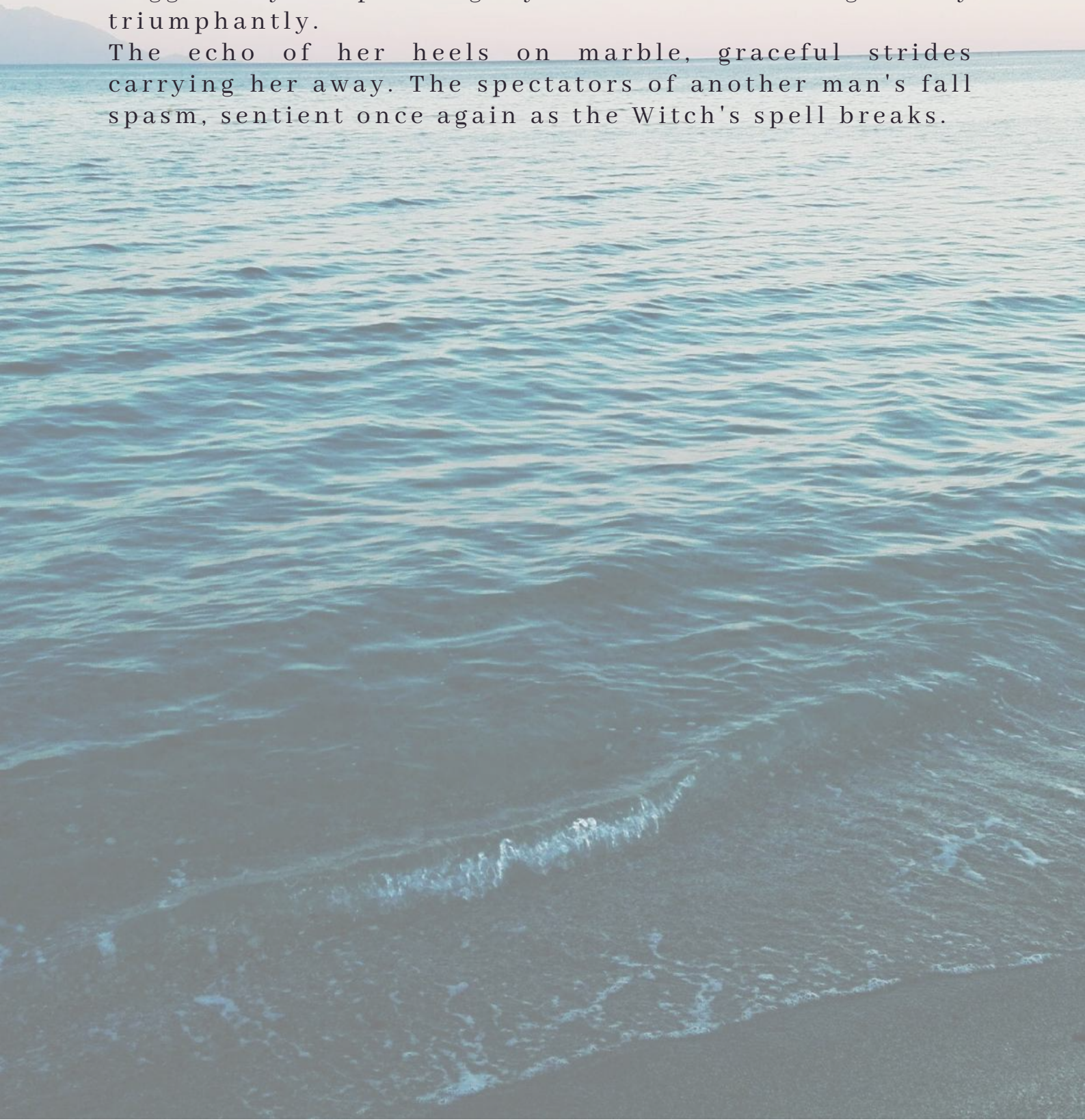
Remorseless. Guilt-free.
Cruel.
A ghost in an empty shell. An empty head on strong shoulders.
There's no need for thought. Excessive words she deemed wasteful.
"What use is a tongue that can not spit venom?" Says she.
"What use is a mind not within one's control?" She wonders.
Body and soul, never in unison. The heart and mind wander, neither touch the other, one far too rational and the other far too emotional.
A constant battle, riotous cacophony of thoughts rattles her skull.

A meditative state of mind she hence chooses.
Rosy supple skin, pleasing to the bottom dwellers. Rosy maiden. Frozen soul yet to be thawed. Rosy skin her soul's personal hell.
A silent prayer to be freed, held back for she is in possession of fear. Fear of the unknown. Fear of letting go. Pearls, jewels and spices dance within her mind's eyes, bonding her to her skin. To her sentience.

"Sights of a world yet explored.", She yearns to burn into the back of her eyelids.
"Tastes of cultures known and alien." She swears to coat each tastebud in.
Wails and cries, moans and groans.
Soft huffs spilling from a warm body's lips..
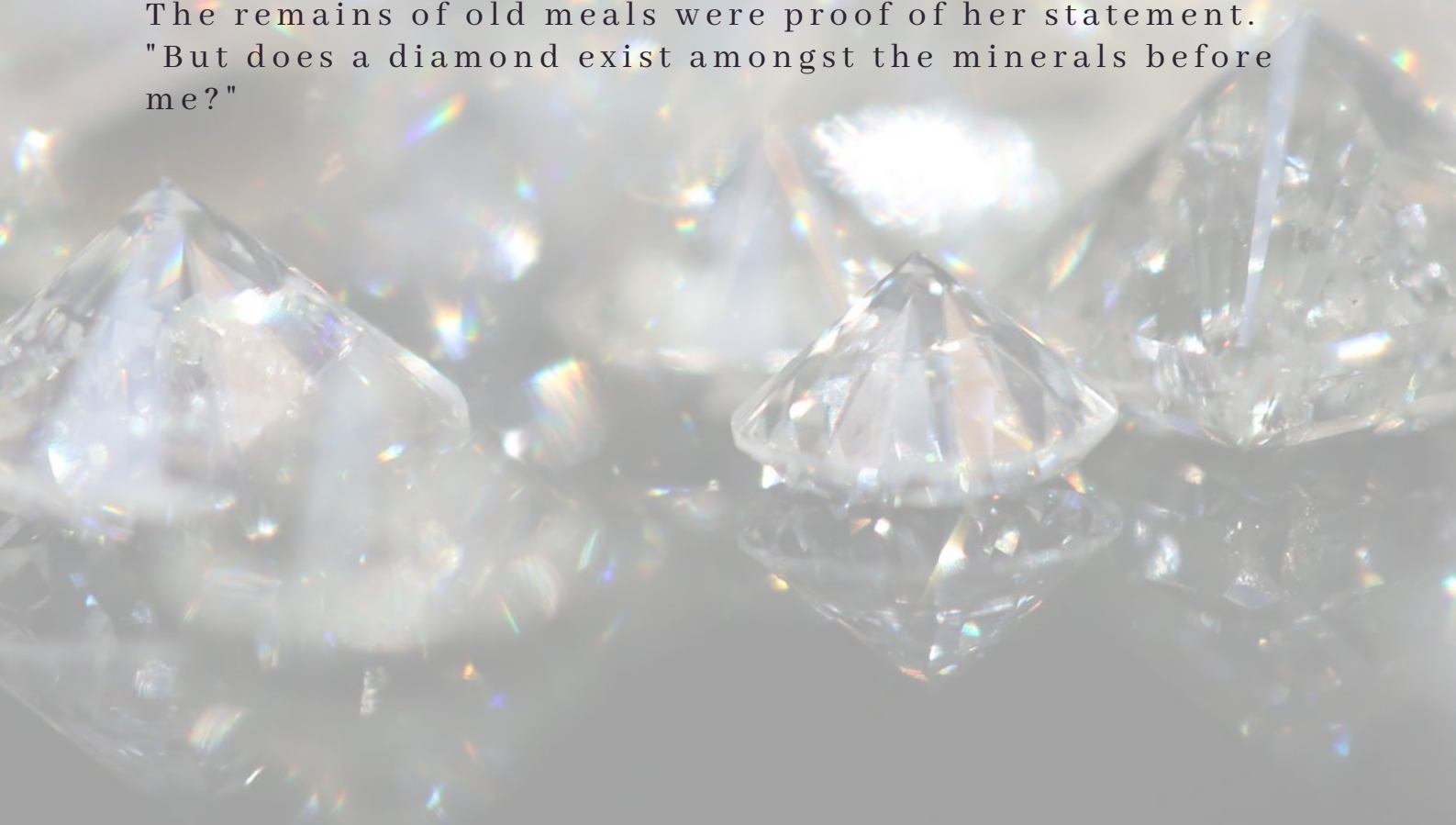
Cold maiden craves warmth. Frozen heart yearns to be thawed. Diamond shield begs to be cut open. She begs to be freed.
Only diamond can cut diamond. Is there a man out there capable of such a feat?

"Men are simple creatures, made of copper, iron and occasionally, steel."
The remains of old meals were proof of her statement.
"But does a diamond exist amongst the minerals before me?"

THE FARCE

Neha Bhende, CSE

Did you ever realize I ran with the money?
Hot-wired your car and dyed my hair a tint of honey
Left the flowers with thorns at the edge of the city
Knew you couldn't resist them shining like rubies

Never ever trust someone who deals your cards
They can't count but they've fooled you twice, it's a farce
Count your blessings because you won't have them for long
It's felt right for years but now it feels so wrong

I watch your eyes shift to catch a peek at my deck
I know all about your invisible hand
You're a clown to think you've aced this round
To the town you think wants to give you a crown

Never trust someone who knows how heavy your head is
It's a dangerous desire to share the weight of it
I can feel it in my blood running with the wind
To my arms, now its just at my fingertips

Was it too cold in the bar where you first met me?
Sold your soul to the devil now it belongs to me
Saved you the trouble of paying for all us three
Quietly snuck out of the night of your dreams

Like cheap perfume I left without a trace
Looking back was the one mistake I made
Call it a streak of blue in a ray of rage
Left you as the lead on the tilted stage.

E-YATRA

2019-2020

CAPTURE TIME ON A FRAME

""Photography is the story I fail to put into words."
– Destin Sparks"

The photograph is simply an illusion of ultimate reality, or the evidence of a lost presence from which it was constructed.A photograph arrests the flow of 'real time', so it continually presents us with an experience of the past. The photograph holds preserves the moment, and presents the memories that we never wanted to leave us.

CAPTURE TIME ON A FRAME

Ramanaprasath G

Ramanaprasath G of CSE loves cafe hopping and being an adventurous person, he likes to explore new places. Apart from photography he's also ambitious and constantly works on upskilling himself in technical side too,
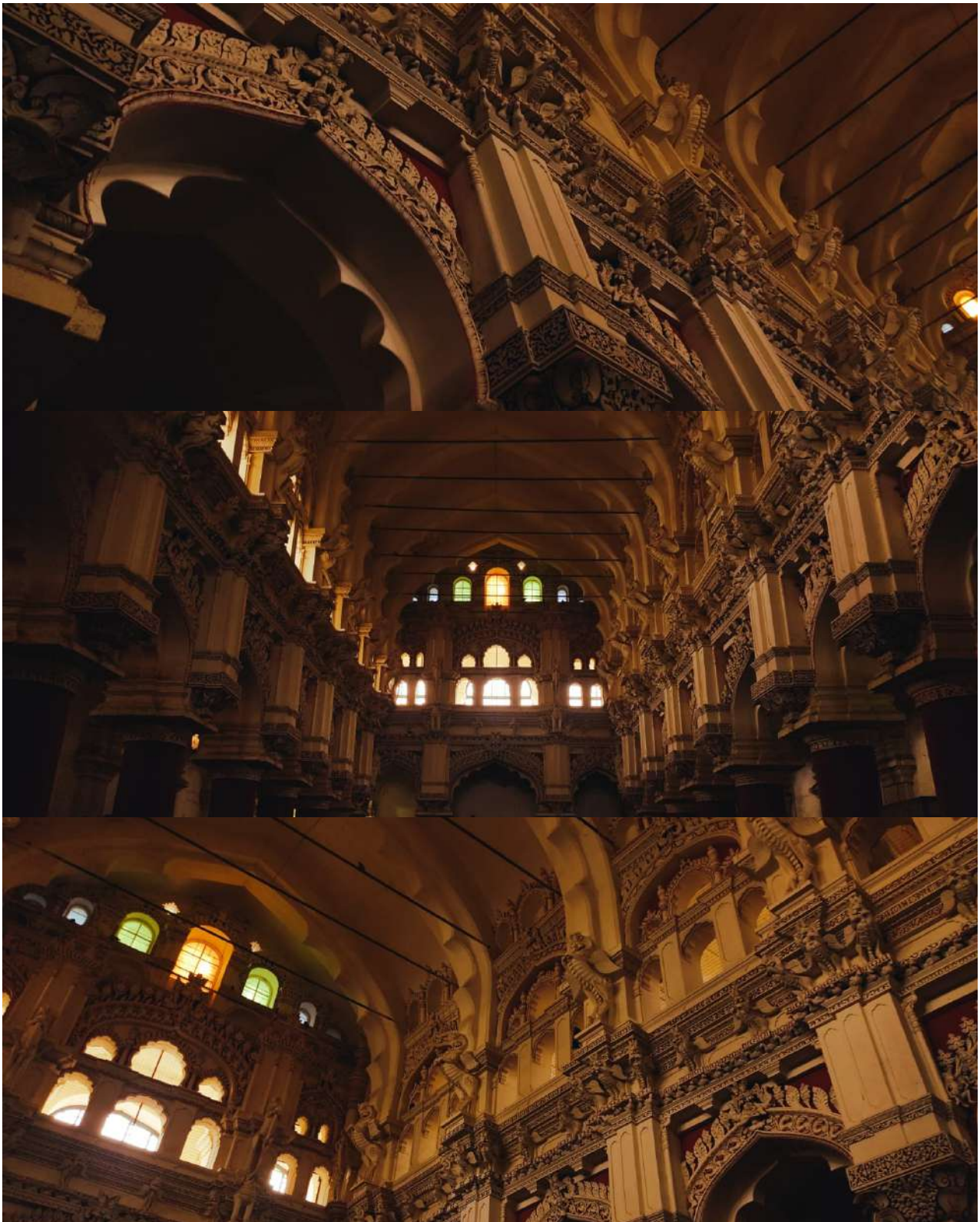
Praveen Rajan

Praveen Rajan from CSE, has a talent in capturing diverse themes, focusing more on architecture and nature. He illuminates the prime colours of the scenarios.
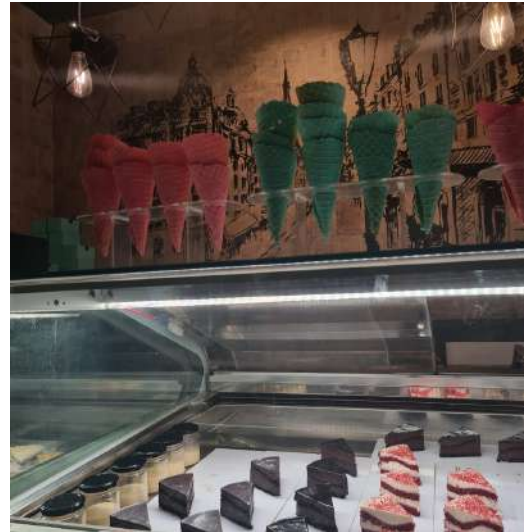
Preethi K

Preeti K from CSE captures snapshots pertaining to restaurants. She beautifully illustrates the calm and peaceful ambience of eateries and its delicious food.

CAPTURE TIME ON A FRAME
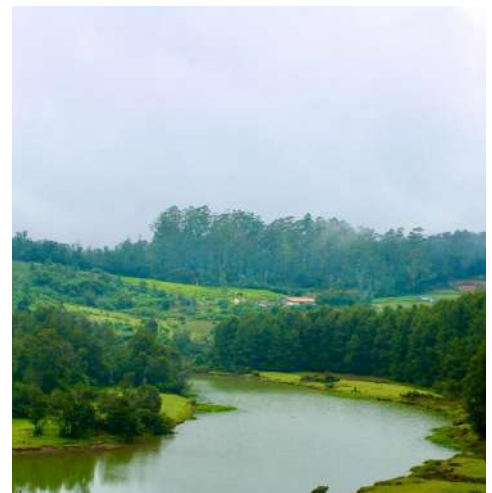
AATHAN

AATHAN of CSE loves being an adventurous person, he likes to explore new places. Apart from photography he's also ambitious and constantly works on upskilling himself in technical side too,

CAPTURE TIME ON A FRAME
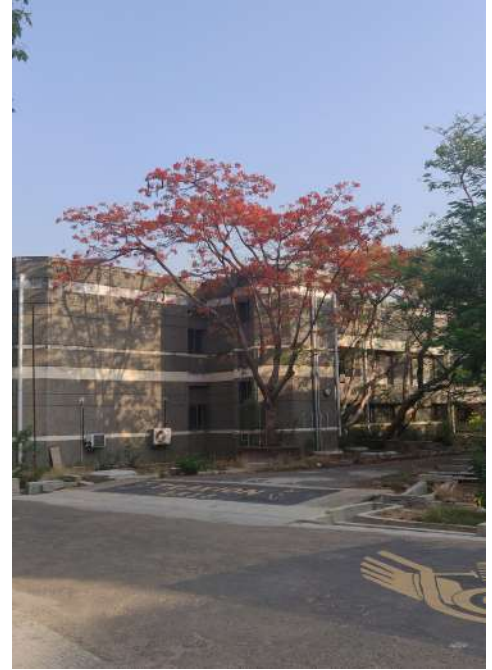
BENITO THOMAS

BENITO THOMAS of CSE loves being an adventurous person, he likes to explore new places. Apart from photography he's also ambitious and constantly works on upskilling himself in technical side too,
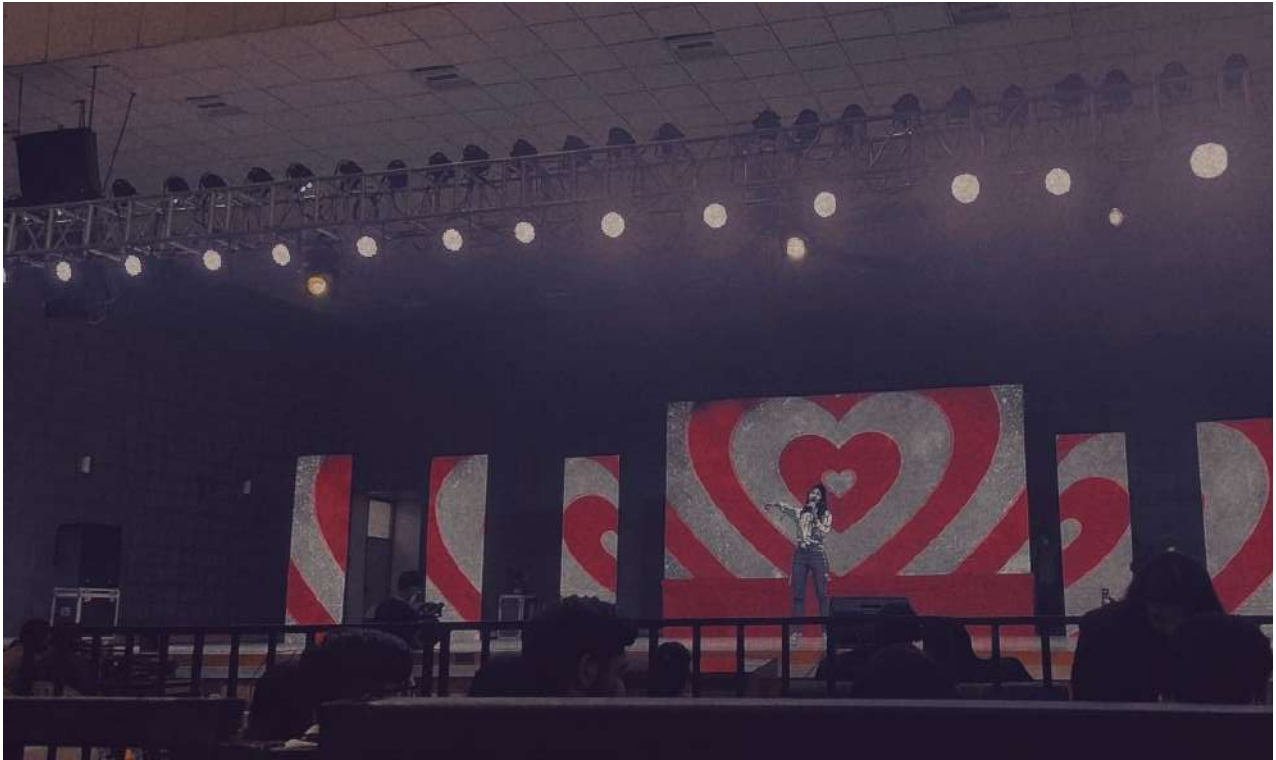
Praveen Rajan

Praveen Rajan from CSE, has a talent in capturing diverse themes, focusing more on architecture and nature. He illuminates the prime colours of the scenarios.

E-YATRA

2019-2020

THROUGH AN ARTIST'S LENS

"It's not what you look at that matters, it's what you see".
— Henry David Thoreau

Art is more than expressing the inner soul. It conveys a story of its own- a beautiful philosophy running behind the canvas, flowing through the perceptions of people. It portrays feelings as sketches, poetry written in paint brushes.
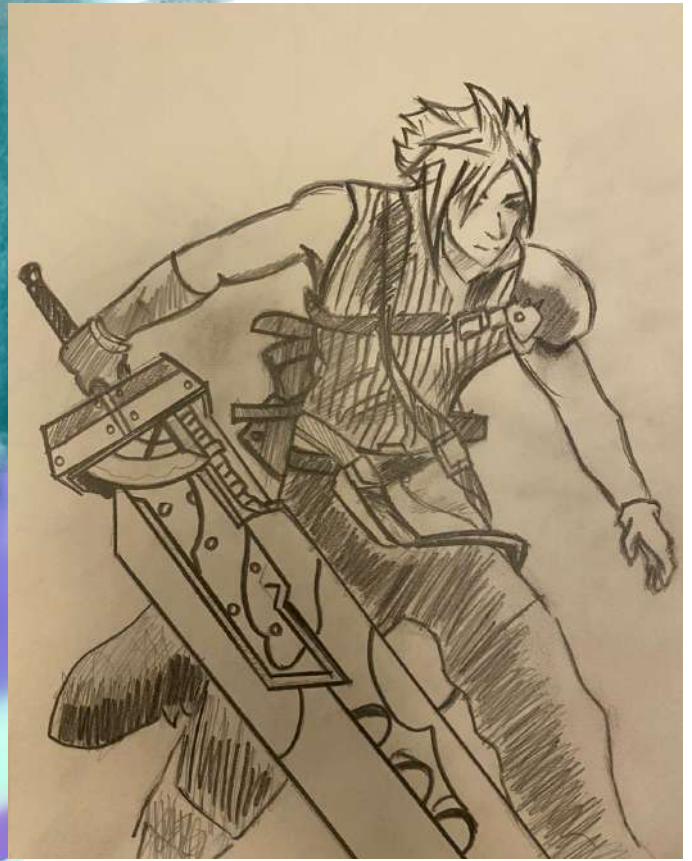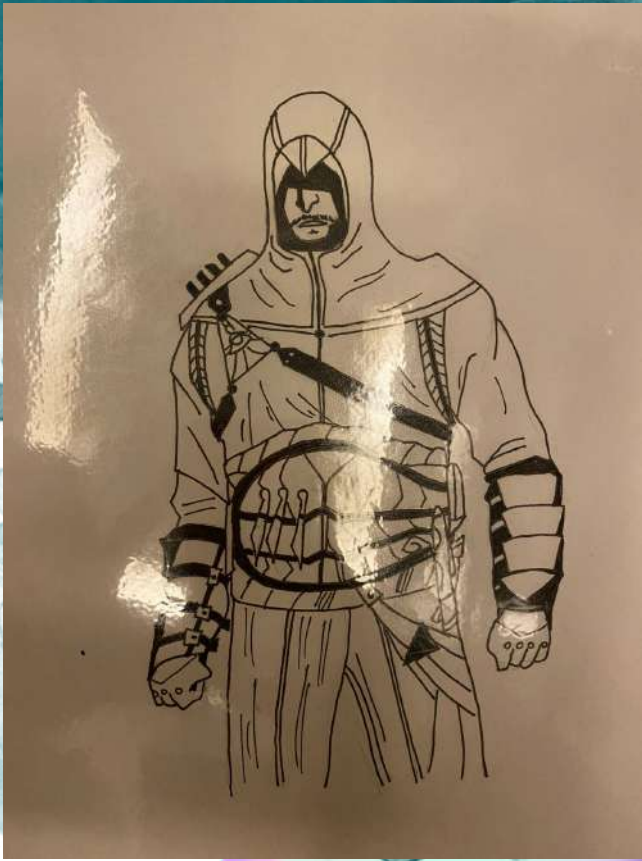
Kanishk Raman JC

About
the Artist

Drawing the characters I grew up admiring has always been therapeutic for me. It reminds me of the moments when I enjoyed watching anime programmes on my television or playing my favourite computer games. It is a doorway into a fantasy world where powerful paladins save the day and sneaky warriors flee into the night.

Niketha

E-YATRA

2019-2020

ACHIEVEMENTS

IOT India Congress pop91

III year CS Students Ms.Athmaja R, Mr. L. A. Barath Aakaash, & Mr. Kabilesh R (Team: "Kill a Watt") have won first place in the "IOT India Congress pop91 competition" event conducted by IET India Services Private Limited("Company") in association with the Skillenza held at The Lalit Ashok (Bangalore), during 22th & 23st August 2019.

It carries a cash award of Rs.100000/-

SCHWAG BOX- FROM GOOGLE
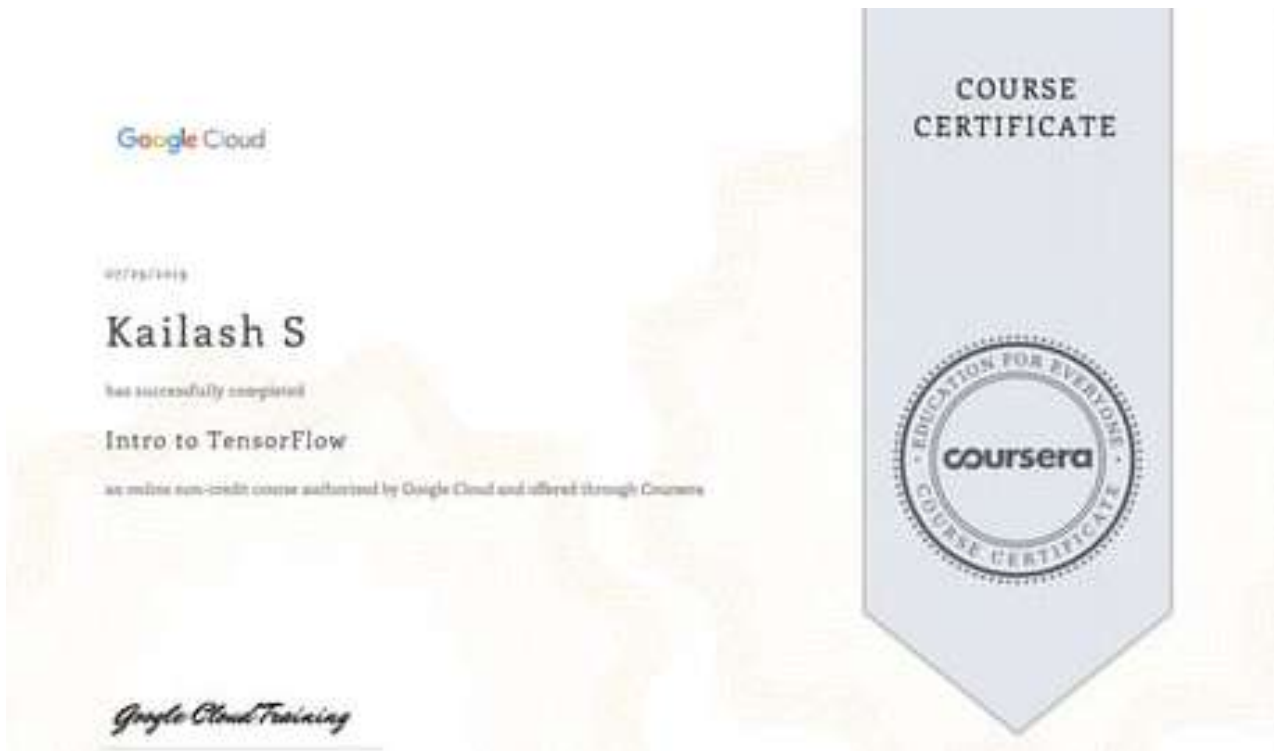
Final year student Mr. S. Kailash (CSE - B Section) has successfully completed "Introduction to Tensor flow", a Google cloud training course (Coursera)

Mr. S. Kailash for completing and performing well in qwiklabs (12+ labs & 10-Quests) on Data Engineering which is no easy feat. To celebrate this effort, he received a Schwag Box (A gift box contain a clock and T-Shirt contain Google Cloud Logo) from Google Developers

Kailash S.

106 LABS TAKEN · 10 COMPLETED QUESTS

Networking in the Google Cloud
Earned Mar 17, 2019

Baseline: Data, ML, AI
Earned Sep 21, 2018

Application Development – Python
Earned Sep 14, 2018

Security & Identity Fundamentals
Earned Sep 12, 2018

Baseline: Deploy & Develop
Earned Sep 3, 2018

Scientific Data Processing
Earned Aug 23, 2018

TECHNICAL SYMPOSIUM

Mr.S. Sahari Krithik, a student of I B.E. Computer Science and Engineering, has secured I place in the gaming event - CounterStrike 1.6 (CS 1.6), Ubertech '19, a National Level Technical Symposium organized by the department of Computer Science and Engineering, SRM Institute of Science and Technology, Vadapalani held during August 30-31,2019.

LEVELS IN ML WITH PYTHON
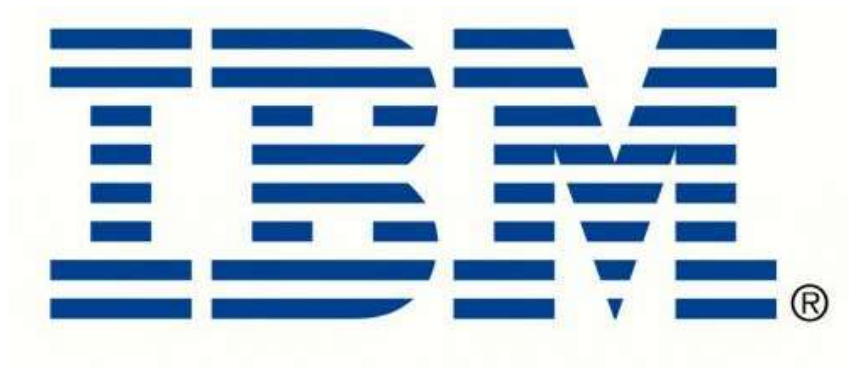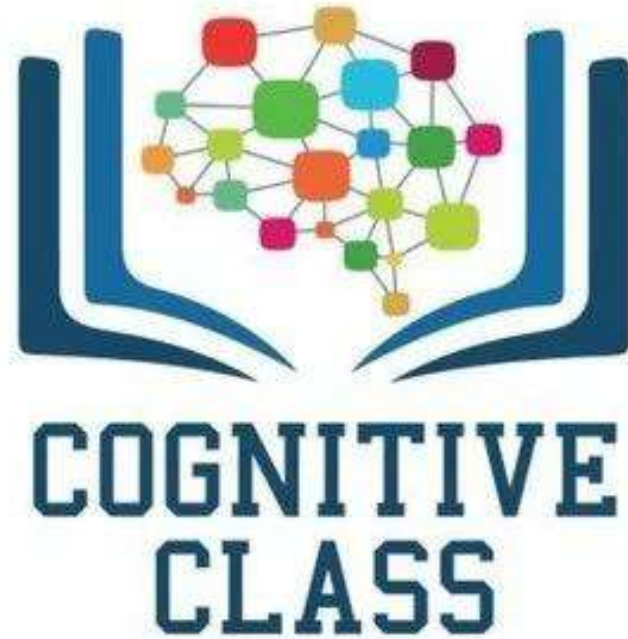
Our final year student Mr. S. Kailash (CSE - B Section) has successfully completed six levels in " Machine Learning with Python", an online course on Cognitive Class(IBM Initiative).

YAH 2K'19

Arjun Aravind and Divya.G of IV year - CS/A was awarded 'The Best UI' award in YAH! 2k'19, an inter college, 24-hour hackathon conducted by SVCE ACM Student Chapter held on the 21st and 22nd of September 2019 at Cove, Kotturpuram.

WCCMUN'19

Mr.Sudharshan B of First year CS- C has won SPECIAL MENTION (first place) with a cash prize of Rs.2000 in Model United Nations Conference 2019 for his meritorious performance as USA-DELEGATE in UNSC at WCCMUN'19 organised by the Department of Corporate Economics on 6th & 7th of September 2019 at WOMEN'S CHRISTIAN COLLEGE, Chennai.

Cyber Inquest'19

Hayagreev and Abhinav Krishna of III year CSE has won a cash prize of Rs.1000 in CYBER INQUEST 2019 conducted on 19.09.2019 at SRI VENKATESWARA COLLEGE OF ENGINEERING by Ms. Salai Aaviyamma Director of Rex Cyber Solutions and Mr.Bala, Security Analyst of Rex Cyber Solutions

GAMING-COD

Mr.S. Sahari Krithik, a student of I B.E. Computer Science and Engineering, has won I place in Gaming-COD conducted at INVENTE 4.0 - A National Level Techfest organized by SSN College of Engineering on September 13 & 14,2019.

SYND iNNOVATE

Barath G , Hareedaran Bharathi , Janani V , Raahul Kalyaan J of 3rd year CSE A -Section has participated in the finals of Syndicate Bank's Synd Innovate a National Level Hackathon on Sep 28th and 29th, 2019 in Bangalore and ranked among top 7 all over India and received Rs.10,000 as consolation prize for the same.
The team was shortlisted among top 40 teams all over India for this offline event from 3000 teams during initial phase after two rounds of online screening. The students are also in contingent for incubation and internship opportunities further.

Stars & Stripes Quiz

Varun Suresh, of CSE- C 3rd Year, and Arjun Arvind, of CSE-A 4th Year, won the third prize at the 'Stars and Stripes' quiz organised by the United States Consulate at Women's Christian College, Nungambakkam on 25th September, 2019.

The quiz was an initiative conducted as part of the outreach program of the US Department of State. As prizes, the students were given trophies, merchandise and a one-year complementary membership to the US Consulate Library.

The theme of the quiz was 'US history, politics, current affairs and culture'.

Invente 4.0 - SSN

Mr.S.Abishek and Mr.R.Aravind of II Year / CS- A have won I prize in Hackers Asylum conducted at Invente - 4.0 - A National Level Techfest organized by SSN College of Engineering on 13th and 14th September 2019.It carries a cash award of Rs.3000.

MAKETHON BY AEEE

Ms.Pavitra Mohandas of 3rd Year, CS-B has secured the 2nd place in Make @ SVCE, A 24 hour Makeathon organised by AEEE on 23rd and 24th January,2020.She received a cash prize of Rs.6000.

ENVIRONMENT 2020 QUIZ BY WCC

Varun Suresh, of CSE- C 3rd Year, and Arjun Arvind, of CSE-A 4th Year, won the first place at "enviroquest 2020"' quiz organised by Women's Christian College, Nungambakkam on 27th January, 2020.

The students were awarded the rolling trophy and a cash prize of Rs.2000. The trophy was won by our students for the third consecutive time.

MAKE-A-THON 2.0

Mr. Rasswanth S , Chitra N and Tirumala Babu P of III Year / CS , won Best Module Prize mentored by Ms.P.Vinothiyalakshmi, AP/CS in "MAKE-A-THON 2.0", organized by Department of Electronics and Communication Engineering in association with IETE-Students Chapter on 07/02/2020 and 08/02/2020. They were awarded a cash prize of Rs.2000/-.

MANAGEMENT EVENTS

Ms.Adela Florence of IV/CS-'A' has won several prizes in Enantra, conducted by College of Engineering, Guindy which is considered to be one of the biggest entrepreneurship and management events aiming at envisioning and empowering youth with the spirit of entrepreneurship and the art of corporate play. There was a spree of events in which Adela took part and won six events summing up to a cash prize of Rs.25,000 in all. Ms.Adela Florence secured, 1st in Marketing Marathon 1st in Rural product development 1st in Stress Interview 1st in Values in business 2nd in CEO in the house 2nd in Entrepreneurship 101

CONFERENCE ON EMERGING TECHNOLOGIES

Brammi J and Dhivya R of IV/CS-'A' presented a paper titled , "HCI Based Input Device for Differently Abled", in the 3rd International Conference on Emerging Trends in Computing and Expert Technology held at Panimalar Engineering College on 7th March 2020, under the guidance of Ms.T.Padmavathy,AP/CS and Dr.R.Anitha, Prof. & HoD/CS and they received the BEST PAPER AWARD. The presented paper will be published in Advances in Parallel Computing [Scopus Indexed].

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This is to certify that Mr./Ms. Brammi. J
of IV - CSE from Sri Venkateswara College of Engg.
has achieved BEST PAPER AWARD entitled HCI Based
Input device for differently abled
in the 3rd International Conference on Emerging Current Trends
in COMputing and Expert Technology(COMET).

6th & 7th MARCH 2020

CO-CONVENER
Dr.V.D.AMBETH KUMAR, M.E.,Ph.D.,

CONVENER
Dr.S.MALATHI, M.E.,Ph.D.,

CO-PATRON
Dr.K.MANI, M.E.,Ph.D.,

PATRON
Mr.C.SAKTHIKUMAR, M.E.,

IEEE
MADRAS SECTION

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of Assistant professor-CSE from Sri Venkateswara College of Engg.
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Input device for differently abled
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in COMputing and Expert Technology(COMET).

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Dr.S.MALATHI, M.E.,Ph.D.,

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This is to certify that Mr./Ms. Dr. R. Anitha (Professor/head)
of CSE from Sri Venkateswara College of Engg.
has achieved BEST PAPER AWARD entitled HCI based
Input device for differently abled
in the 3rd International Conference on Emerging Current Trends
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6th & 7th MARCH 2020

CO-CONVENER
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CO-PATRON
Dr.K.MANI, M.E.,Ph.D.,

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Mr.C.SAKTHIKUMAR, M.E.,

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E-YATRA

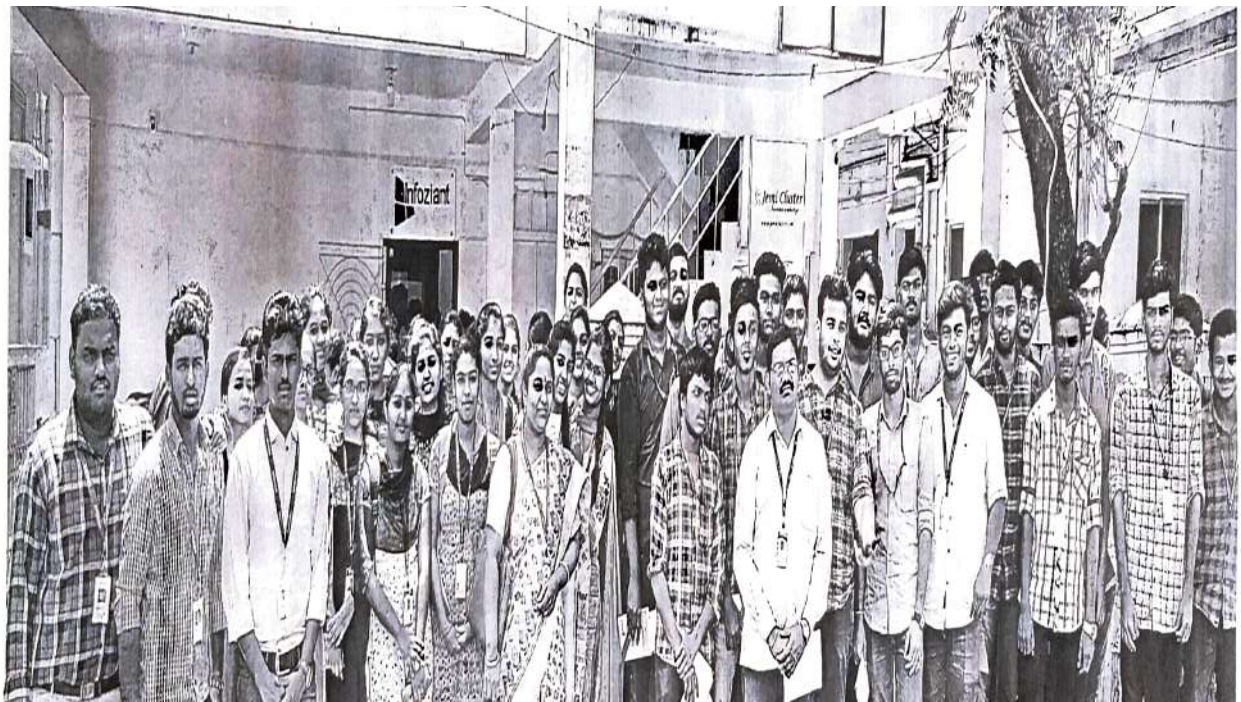# INDUSTRIAL
VISIT

INDUSTRIAL VISIT

Industrial Visit to Infoziant Technologies

Conducted on 23rd January 2020.

The Department of Computer Science and Engineering, Sri Venkateswara College of Engineering organized an Industrial Visit to Infoziant Technologies, Chennai on 21s of March 2019.

Infoziant Technologies gives training on various Android Apps and Network security that empower the creation of next generation softwares. The students of II year CS and I year M.E has gone for the Industrial Visit. During the HR talk the students can able to understand the latest trends and industrial expectations from fresh graduates. Around 50 Students and 2 Faculty members have undergone the visit.

The overall feedback regarding the visit from the students is that the lecture they have given related to
the current industrial trends and training was useful.

INDUSTRIAL VISIT

Industrial Visit to BSNL, Chennai

Conducted on 23rd August 2020.

The Department of Computer Science and Engineering organized an Industrial Visit to BSNL Regional Telecom Training Centre, Maraimalainagar, Chennai on 23rd January 2020. BSNL provides information about basic telecommunication network, Analog Versus Digital data Communication and communication channels.

The students of II year CSE-B sec has gone for the Industrial Visit to gain practical knowledge in Wireless Communications and to know the latest technologies in Telecommunication Network . During the visit students can able to understand the latest trends about Telecommunication Network. Around 60 Students and 2 Faculty members have undergone the visit.

The overall feedback regarding the visit from the students is that the training was useful as they demonstrate the concepts in practical manner.

INDUSTRIAL VISIT

Industrial Visit to BSNL, Chennai

Conducted on 17th February 2020.

The Department of Computer Science and Engineering organized an Industrial Visit to BSVL Regional Telecom Training Centre, Maraimalainagar, Chennai on 17th February 2020. BSNL provides information about basic telecommunication Analog Versus Digital data Communication and communication channels.

The students of Ill year CSE-A sec has gone for the Industrial Visit to gain practical knowledge in Wireless Communications and to know the latest technologies in Telecommunication work. During the visit students can able to understand the latest trends about Telecommunication Around 60 Students and 2 Faculty members have undergone the visit.

The overall feedback regarding the visit from the students is that the: training was useful as they demonstrate the concepts in practical manner.

INDUSTRIAL VISIT

Industrial Visit at Sansbound Solutions Pvt.Ltd

Conducted on 20th and 21st August 2019

The Department of Computer Science and Engineering, Sri Venkateswara College of Engineering organized an Industrial Visit at Sansbound Solutions Pvt.Ltd, Chennai on 20th and 21 of August 2019.

Sansbound Solutions Pvt.Ltd gives training for various networking, Server and Security courses. The students of Ill year CSE has gone for the Industrial Visit to gain practical knowledge in Networking and to know the latest technologies used by the companies. During the HR talk the students can able to understand the latest trends and industrial expectations from fresh graduates. Around 120 Students and 4 Faculty members have undergone the visit.

The overall feedback regarding the visit from the students is that the training was useful as they demonstrate the networking concepts in practical manner.

E-YATRA

2019-2020

CLUBS

ACM
(ASSOCIATION OF COMPUTING MACHINERY)

Started in 2012 with an aim to advance awareness of computer science and technology, the SVCE-ACM student chapter is a premier computing society belonging to Sri Venkateswara College of Engineering.

Visit their **Website!**

Click here

(or)

Enter this link in your browser

https://svce.acm.org/index.html

Like every student chapter of ACM across the world, the SVCE chapter strives to bring together people from all walks of campus life - teachers and students alike - with the purpose of relentlessly inspiring fellow students into tackling the field of computer science with passion and curiosity. The members of this organisation aim to develop students' technical and professional skills, all while cultivating an inclusive and supportive community for those interested in computer science. We achieve this through various events, ranging from quizzes and debates to workshops, seminars, and Hackathons - held throughout the year.

BENITA MAJO
EXECUTIVE MEMBER, ACM

Joining SVCE ACM Student chapter has been a transformational experience. The exposure and insights gained from my peers and faculty mentors can never be matched. The number of opportunities offered here at ACM, that I have been able to partake in have helped me strengthen my technical knowledge and expand my horizon.
The knowledge, experiences, and relationships that I have developed throughout my time in ACM has been an integral part of enhancing my credibility as a student.

CLUB
TESTIMONIALS

SADANA U
EXECUTIVE MEMBER, ACM

A group of energetic engineering students called ACM organizes competitions to foster a competitive environment, which was an amazing place to start. ACM focuses on creating a community for like-minded individuals who want to advance their education beyond technical skills. There was a high learning curve for me with ACM. One of the most vital skills I believe I gained through the student chapter was learning how to collaborate with others. The information I have acquired over the past two years will be with me forever.

ACE
(ASSOCIATION OF COMPUTER ENGINEERS)

ACE is the birth place of many innovators, who have brought laurels to the department, in turn to the college. It is proud, happy and noteworthy that ACE has crossed two decades from its inception. ACE plays a significant role as an adjunct to the course work.

Visit their **Website!**

Click here

(or)

Enter this link in your browser

https://acesvce.in/

The Association of Computer Engineers (ACE) of SVCE is a place where hidden talents get its ideal platform, where skills are given merit for their due credit and this is where good becomes better and better becomes best in the journey towards excellence. It is gratifying and noteworthy that ACE has crossed more than two decades from its commencement. From its genes in 1992, ACE has grown and established itself as one of the most influential and well-known clubs of SVCE. ACE hosts a wide plethora of events every year, with our symposium 'Interrupt' being the flagship event to provide the students with a window of opportunity to shine and stage their skills.

CLUB

TESTIMONIALS

NIVEDITA VP
EXECUTIVE MEMBER, ACE

My time spent with ACE, CSE, and SVCE has been incredible. The assistance and direction we receive from the seniors and teachers in-charge is one of ACE's many assets. Additionally, the abundance of technical events that we put on undoubtedly gave me a confidence boost and helped me develop my leadership and event management abilities, which is one reason why one should think about joining this club. Working here was, all in all, a wonderful experience.

RITHUNJAY
EXECUTIVE MEMBER, ACE

It has been a great experience collaborating with ACE, CSE and SVCE. ACE has several strengths, one of which is the support and guidance you receive from your seniors and faculty. Also, the wealth of technical events we organized helped build confidence and improve event management and leadership skills. This is one of the reasons why you should consider joining this club. Overall, working here was a great experience.
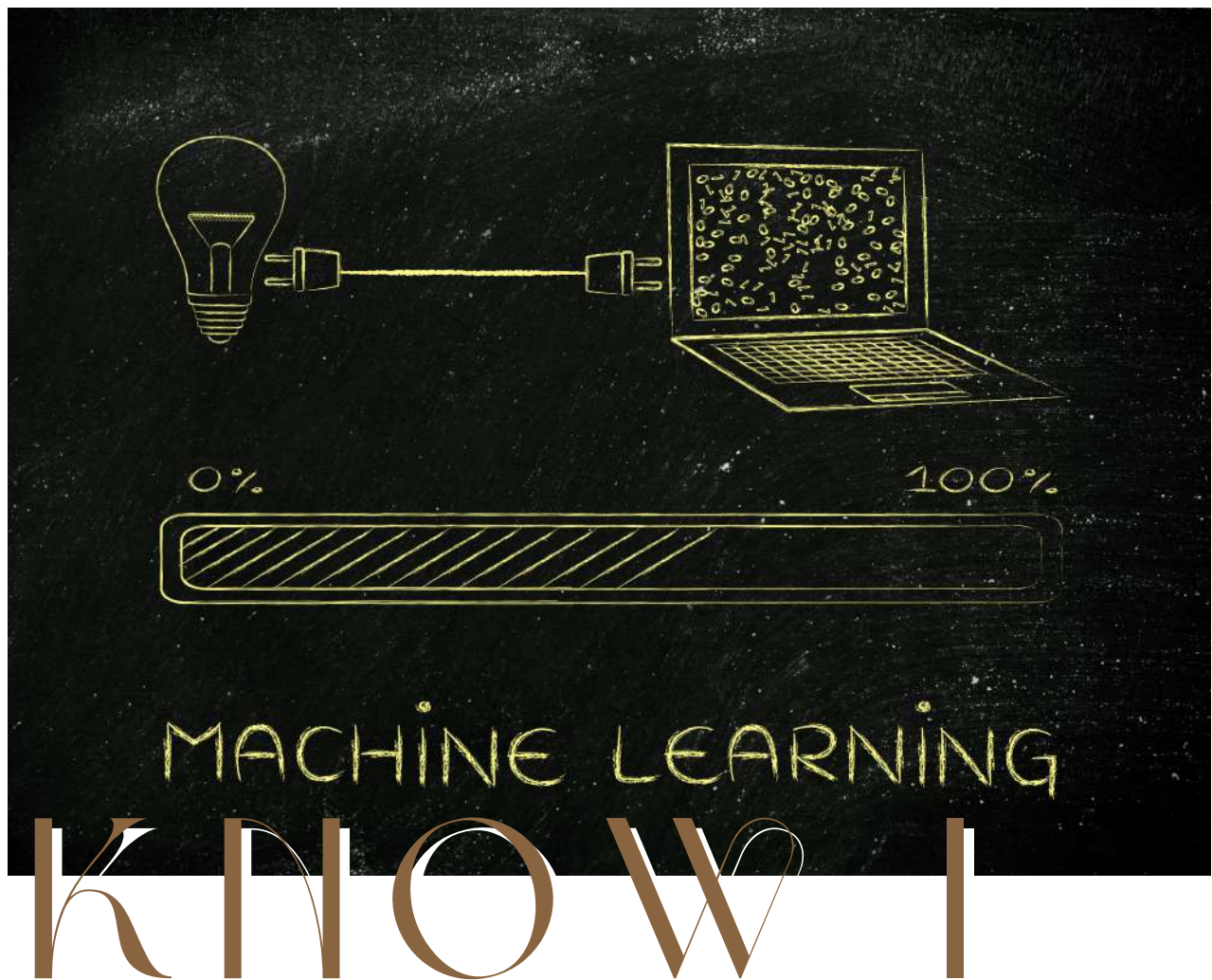
KNOW I

Know-I research forum aims at imparting and enhancing knowledge in the field of Artificial Intelligence, Machine learning, Deep learning, and Computer vision for the students of Sri Venkateswara College of Engineering. One of the priorities is to encourage students to get involved in research-based activities.

To achieve this, the forum has an exuberant team consisting of faculty and students to organize competitions, workshops, project presentations, etc. The club acts as a platform for the students, faculty, and industry experts to share their experiences and work collaboratively to provide intelligent solutions for real-world problems.

Visit their **Website!**

Click here

KNOW-I

JOFFREY JOAN
EXECUTIVE MEMBER, KNOW I

My knowledge of AI, machine learning, deep learning, and its use to solve problems in the real world has improved thanks to the Know-I club. We try to involve people from many departments in collaborative activities so that AI and ML techniques can be applied to various areas. My peers and academic mentors provided me with exposure and perspectives that are unmatched. The variety of options provided in Know-i that I have been able to take advantage of has allowed me to broaden my horizons and improve my technical knowledge.

My reputation as a student has been significantly improved by the knowledge, relationships, and experiences I have gained throughout my time in Know-I.
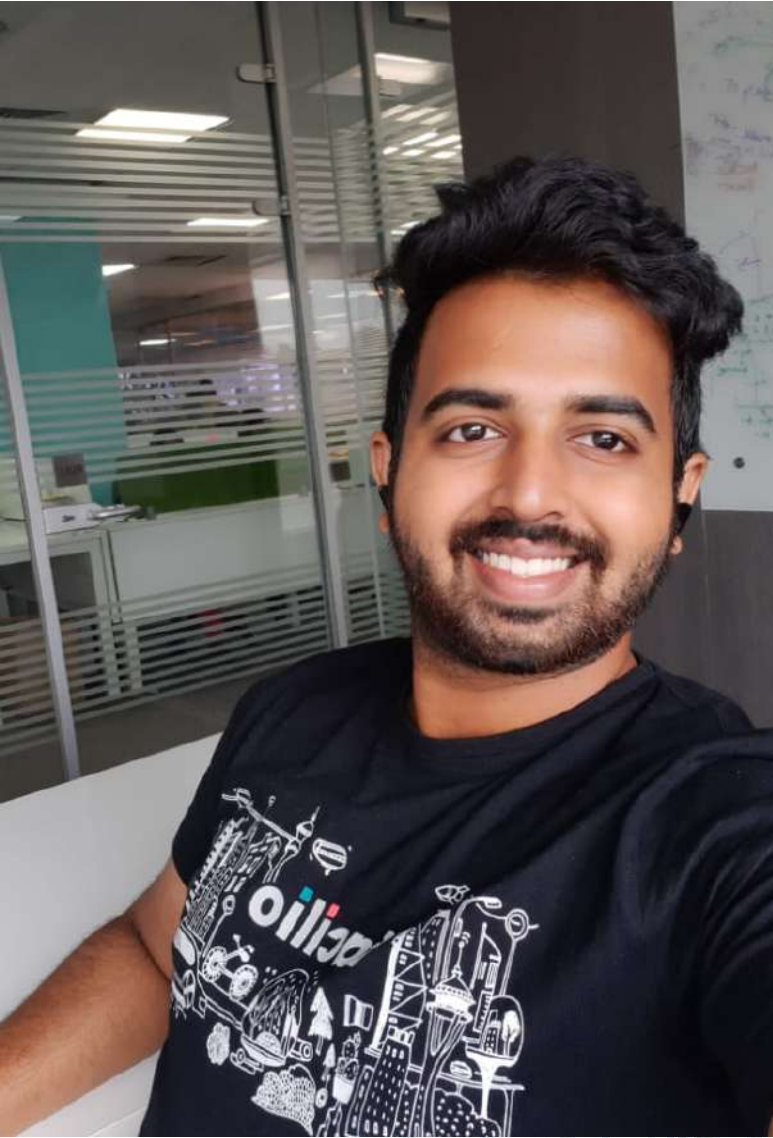
VASANTH V
EXECUTIVE MEMBER, KNOW I

Many people think that to get into Know - I, you need to know ML. That's nonsense. Know - I is all about curiosity in ML. The team was more like a family to me. It helped me be a better person than what I used to be. Have you ever heard of a second year leading an entire event? I did that! This kind of independence and exposure I got from Know - I is immeasurable.

E-YATRA

2019-2020

The Team
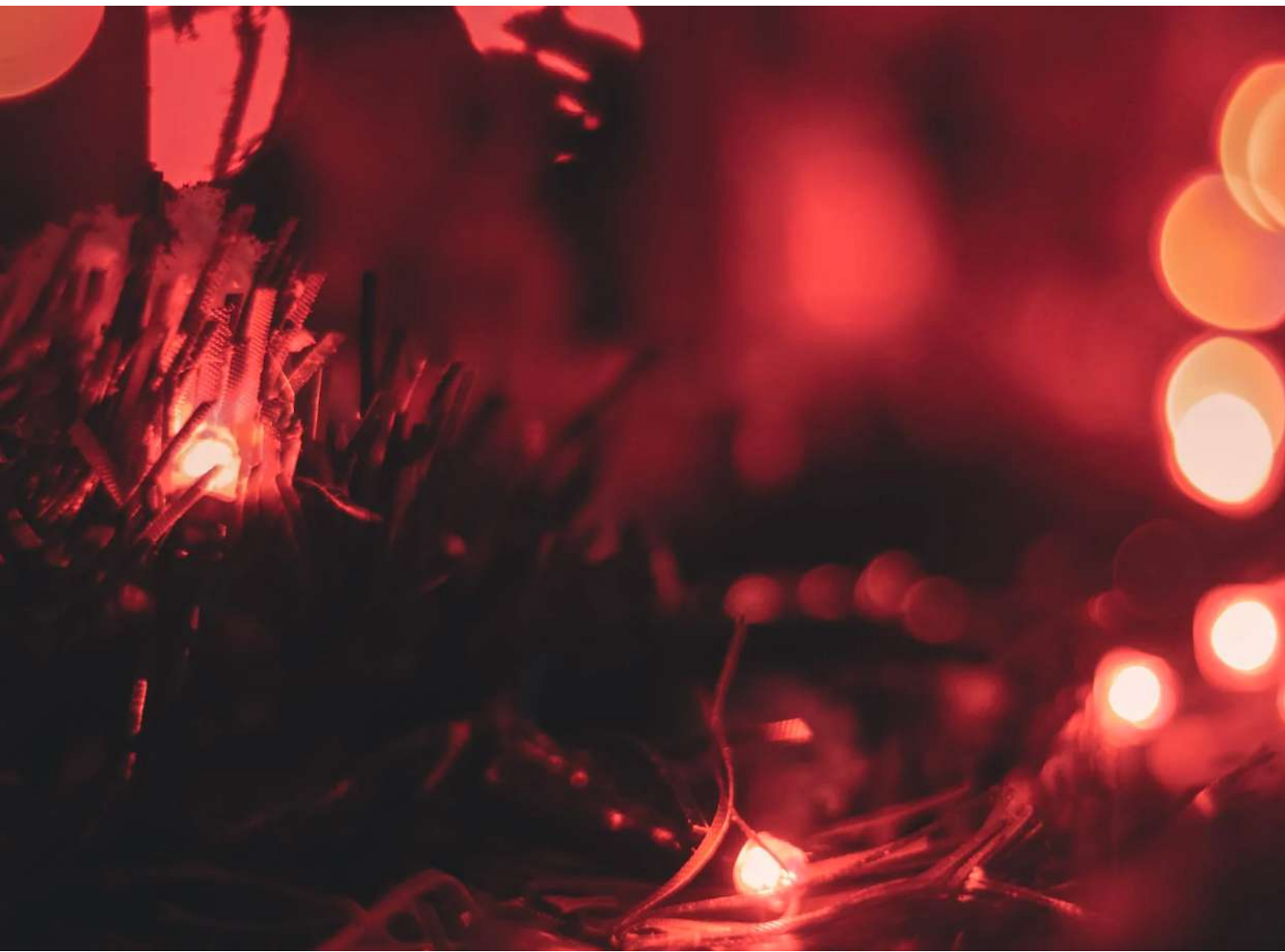
Prepared By

Dr. N. RAJGANESH, ASP/CSE

Mr. S. D. NANDAKUMAR, AP/CSE

Ms. R. POORNI, AP/CSE

Ms. P. KAVIYA, AP/CSE

CORE TEAM

NIYAS HAMEED R.F
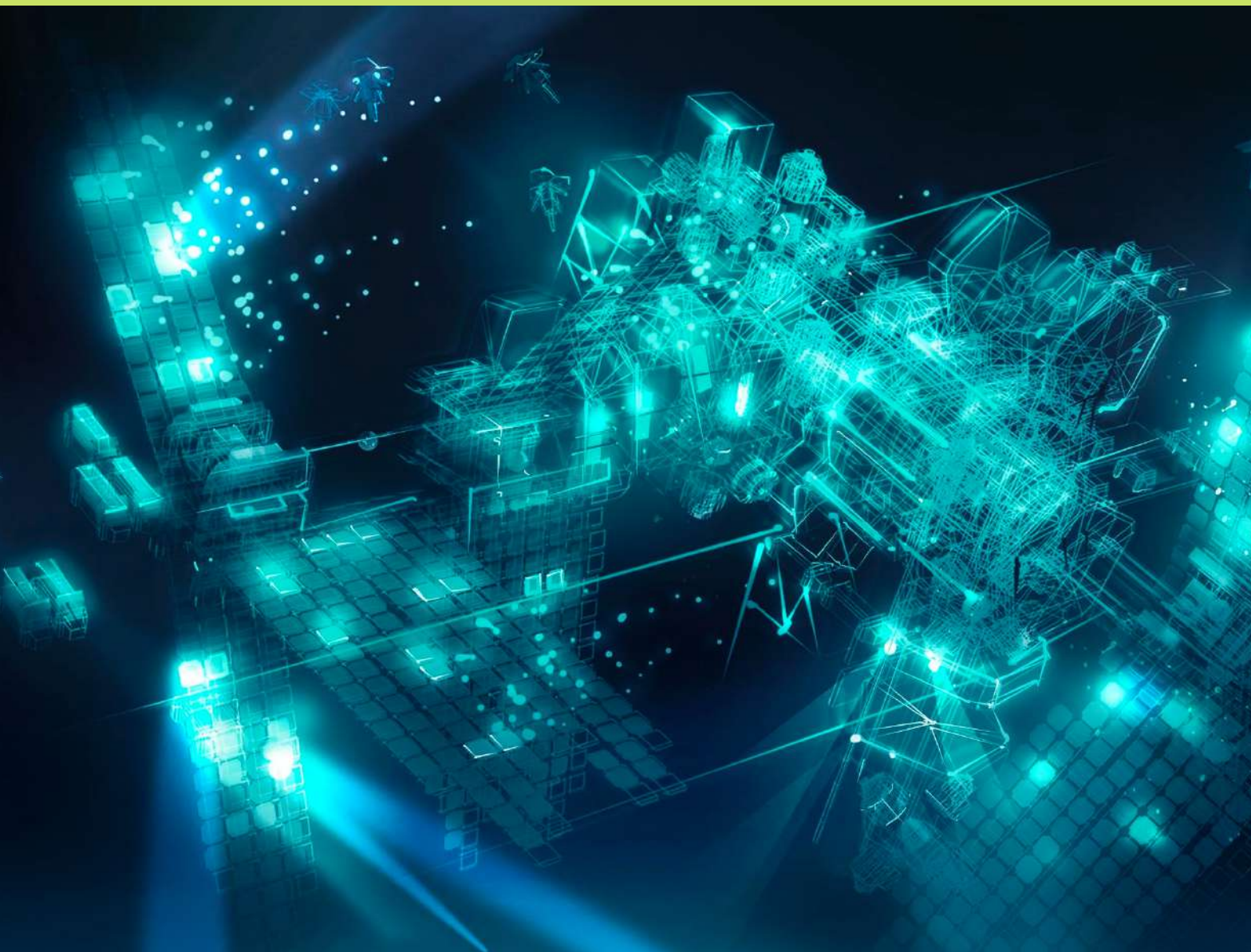
AADESH VIJAYARAGHAVAN

THEJASWINI S.R

PAVADHARNI SHANMUGAM

SIBI MUGHIL T

SHRUTHIKA S

PRIYANKA ANANTH

E-YATRA

2019 - 2020