



EDUCATION

| Program | Institution | %/CGPA | Year of completion |
|--|--|--------|--------------------|
| B Tech (Honours) in Computer Engineering | Indian Institute of Information Technology, Design and Manufacturing, Kancheepuram | 9.46 | 2021 |
| XII | Sri Sankara Senior Secondary School, Adyar, Chennai | 95% | 2017 |
| X | Sri Sankara Senior Secondary School, Adyar, Chennai | 9.8 | 2015 |

SCHOLASTIC ACHIEVEMENTS

- Awarded Honours degree in BTech
- Selected in **TOP 5** teams in India under Travel category for AR Capstone project held by Facebook School of Innovation and invited to demonstrate in Facebook National Demo Day 2020.
- Awarded silver medal in Kaggle Bengali.AI Handwritten Grapheme Classification Contest
- GATE CS Score: **860** GATE CS AIR: **87**
- GRE Score (Nov 2020): **325/340**
- TOEFL Score (Nov 2020): **110/120**
- Received special mention for development of a community service concept application called Help4All at Samgatha Annual Tech Fest (2018), IIITDM Kancheepuram

COURSE WORK

- Data structures and Algorithms
- Automata Theory
- Operating Systems
- Digital Image Processing
- Computer Vision
- Pattern Recognition
- Deep Learning for Computer Vision
- Analytics and Systems of Big Data
- Computer Networks
- Database Systems
- Human Computer Interaction
- Computer Architecture and VLSI

LABS

- Algorithms and Data structures Lab
- Networks Lab
- Computer Architecture Lab
- OS Lab
- VLSI Lab

SKILLS

- Languages and Programs: Python, C, C++, Java, C#, HTML, CSS, Javascript, LaTeX, Verilog, SQL
- Frameworks and Packages:
 - ML: Tensorflow, Pytorch, Numpy, OpenCV, Scikit-Learn, Matplotlib, Pandas, TextBlob, Transformers
 - Development: Django, TKinter, Pygame
- Softwares: Unity, SparkAR Studio, Unreal Engine, Android Studio, Blender, AutoCAD, Microsoft Office
- Other Skills: Computer Vision, Deep Learning, NLP, Algorithm Design, Product Development, Product management, Game development

PROJECTS

- Statistical Masking in BERT Models Nov 2020 – May 2021 (6 months)
 - Developed improvement to BERT model using statistical masking approach
 - Trained BERT models using statistical mask approach and evaluated improved accuracies
- VidFX –Image and Video Processing Tool Jan 2020 – Jul 2020 (6 months)
 - Image and Realtime Video processing tool to apply various effects
 - Applies filters and other image processing algorithms to webcam in real-time
- Attacking Neural Networks Aug 2019 – Nov 2019 (3 months)
 - Researched mechanisms for attacking and defending neural networks
 - Implemented several attack and defense algorithms and models

PROFESSIONAL EXPERIENCE

- Security R&D Intern at Ericsson Jan 2021 – Jul 2021 (6 months)
 - Assisted in development and testing of security components in revenue management systems
- AR Development Intern at Avataar.me Aug 2020 – Nov 2020 (3 months)
 - Developed filters for Instagram and Facebook using Spark AR software
 - Developed several filters from scratch while collaborating with project managers and clients.
- R&D Intern at SPi Global May 2020 – Sep 2020 (5 months)
 - Researched about algorithms for image conversion from Raster graphics to Vector graphics
 - Developed workflow for automatic conversion from Raster to Vector graphics
 - Coded the software in python using open-cv
 - Dataset Annotation for reading text from scanned accident crash forms
- R&D Intern at eBramha Inc (1 month)
 - Researched AR Technologies and development of AR apps using Unity software
 - AR app development for education using Unity, Vuforia and AWS

POSITIONS OF RESPONSIBILITY

- Coordinator, CS Club, IIITDM Kancheepuram 2018-2020 (2 years)
 - Coordinated CS events like technical talks, hackathons and coding contests

CO-CURRICULAR ACTIVITIES

- Future technology enthusiast and speaker
- Python enthusiast and making fun visualizations and projects

EXTRA-CURRICULAR ACTIVITIES

- Analytical and Strategy gaming enthusiast
- Basketball, Volleyball

OBJECTIVE

- To keep learning new technologies and connect different concepts and technologies to solve new problems