

## Education

### Undergraduate

- B. Tech, Computer Science and Engineering (Expected – May, 2023)
- Vellore Institute of Technology, Vellore
- CGPA - **9.77/10** (2 semesters)

### Higher Secondary Examination – (Grade 12 I.S.C)

- The Bishop's School, Camp, Pune
- Score - **94.5%** – May 2018
- Highest in Computer Science

### Secondary Examination – (Grade 10 I.C.S.E)

- The Bishop's Co-Ed School, Kalyaninagar, Pune
- Score - **90.8%** – May 2016

### Scholastic Achievements

- Awarded Merit Scholarship for outstanding performance (Rank 9, in B. Tech CSE Department) for year 2019-2020 [VIT, Vellore]

## Work Experience

### Illuminify Tech, Vellore, India (Mar, 2020 - Oct, 2020)

#### *Software development internship*

Worked on building front-end for an assistive technology device providing features like text-to-speech, text-detection(OCR) and building a functional hardware remote prototype for input.

*Development Stack* - Python, Linux, Raspberry Pi

## Technical skills

- **Programming Languages:** C++, Java
- **Scripting Languages:** Python, Shell Scripting (Linux)
- **Software Tools:** L<sup>A</sup>T<sub>E</sub>X, MATLAB
- **Web stack:** HTML, CSS, Javascript, MySQL, Jekyll
- **Platforms:** Linux, Windows

## Positions of Responsibility

- Programme Representative for B. Tech CSE programme [2020-2021]
- Co-Tech Lead at VIT-Linux Users Group

## Projects

### Improving connectivity of a Social Network using Karger's Algorithm

#### *Data Structures & Algorithms Course Project*

Finding two weakly linked sections of a social graph using Karger's algorithm, hence improving connectivity by suggesting connections between the users of the network.

[*Development Stack* - C++, Shell Script, Linux]

### Implementing Power Management at Operating System Level for RTOS

#### *Operating Systems Course Project*

Implementing Tickless-Idle technique and efficient scheduling algorithms on FreeRTOS.

[*Development Stack* - C, FreeRTOS]

### Software/App Store Website

#### *Database Management System Course Project*

Building a web portal where developers and users can deliver and manage various software packages on their systems. Additionally providing various analytics and feedback tools.

[*Development Stack* - MySQL, NodeJS, Express, Javascript, Bootstrap]

## Extra-curricular Activities & Achievements

### • Hackathons & Challenges

- Ranked 2nd in **Qiskit Challenge India**, a 2-week Quantum Machine Learning Challenge.
- Won 2nd prize at **Hack Reaction organized by ThoughtWorks** for creating a platform(website) that helped students by easing the frequent dilemma around the college selection process.

### • Competitive Programming

- 4 star on Codechef [infi\_nishal]
- Placed 3rd at Learn2Compete 2.0, a competitive coding event organized by ACM-VIT
- Achieved Rank 2 in the Algo Wizards - a data structures & algorithms national level technical event organized by Modern Education Society's College of Engineering, Pune

### • Member of VIT-Linux User's Group

- Conducted two sessions on Shell scripting

### • Core Committee Member at ACM-VIT

- Speaker for Learn2Compete 3.0, on various Data Structures and Algorithms
- Event Co-ordinator for Reverse Coding 2020