

VARUN CHELIKANI

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Education

B.Tech (Electronics and Computer Engineering)

École Centrale School of Engineering , Mahindra University

Aug 2022 – Present

Relevant course work: Design Thinking, Data Structures & Algorithms, Python Programming, OOPs, ML etc.

CGPA: 7.2/10 (till 5th semester)

Intermediate, Resonance , Hyderabad

July 2020 – May 2022

Percentage: 87%

10th Grade, Viswabharati High School (Board), Gudiwada, AP

May 2013 – June 2020

Percentage: 10/10

Projects

Alternate Medicines Recommender

Feb-May 2024

Mahindra University

- Developed a machine learning model to recommend alternative medicines based on shot composition.
- Responsible for data preprocessing using Python libraries such as Pandas and NumPy.

MuPodcast Website

Apr 2023 -Present

Mahindra University Podcast club

- Built a website for the MuPodcast Club at Mahindra University using React and MongoDB. Managed a team of four to handle scheduling, logistics, and event execution. The website received over 5,000 visitors globally.

Operating System Bootloader

Oct 2024 - Dec 2024

- Developed a custom bootloader from scratch without using GRUB, loading a simple kernel using assembly and C. Implemented disk image creation, kernel loading, and boot testing using QEMU. Designed and automated the build process using NASM and GCC.

Internship/Training Programs

Technical team Member

[MuPodcast]

Apr 2023-present

- Developed a website under MuPodcastClub, the Podcast club of Mahindra University , witnessing an overall footfall of 5000+ traffic from students as well as staff members of the institute and people all over the world.

Skills

Computational tools/skills: C, React Native, React, Javascript ,Java , Verilog ,Assembly, Python, Powerbi
Circuit Design, Flutter(Beginer), Git, GC, Typescript,.

Design software: Cadence, MongoDB , VS Code, GitHub, Docker, VMware, Postman

Awards and Achievements

- Led a team of four scheduling of matches between 60+ registered teams, addressing logistical concerns, crowd management, and seamless execution of the A.I.R.O event- 2024

Interests/Extra-curricular activities

Sports: Badminton, Swimming, Tennis, Football

Interests: Travelling, Learning New Languages.

Social Service Initiatives: Actively participated in Outreach clubs .