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EDUCATION

SRM Institute of Science and Technology

Bachelor of Technology in Computer Science and Engineering — **CGPA: 8.303**

Jun 2022 – May 2026

Chennai, India

Cambridge School Indirapuram

Higher Secondary Education (Class 12) — **Percentage: 73.2%**

Jun 2020 – Jun 2022

Ghaziabad, India

EXPERIENCE

Zidio Development

Summer Internship

Present

Remote

- Architected responsive layouts and intuitive navigation for the Excel Analytics Platform dashboard; resulting in a 40% increase in user engagement company-wide.
- Engineered cross-browser compatible dashboard layouts utilizing HTML, CSS, and JavaScript, ensuring consistent user experience across devices and browsers; decreased user-reported navigation issues by 35%.
- Launched fully functional, interactive dashboard for the Excel Analytics Platform, enabling 500+ users to visualize key performance indicators and make data-driven decisions rapidly.

PROJECTS

Sentiment Analysis Based on Acoustics and Lyrics | Python, NumPy, Pandas, RestAPI

- Collaborated and led a sentiment-based music classifier utilizing acoustic analysis and NLP techniques, achieving 92% accuracy in categorizing emotions in songs, thereby optimizing personalized playlist generation for users
- Integrated and directed specialized audio processing library, reducing acoustic feature extraction time by 60% while maintaining over 95% accuracy in tempo, pitch, and MFCC calculations for music analysis projects.

AI-Powered Accessibility Browser Extension | JavaScript, NLP/ML models and RestAPI.

- Implemented advanced NLP and computer vision models via scalable APIs for a browser extension, reducing content complexity by 55 % and saving users an average of 15 minutes daily.
- Boosted efficiency in material assessment by 30% by deploying intelligent text analysis and image interpretation systems through a high-performance browser add-on interface, surpassing initial objectives
- Orchestrated a settings interface featuring an accessible toggle, allowing users to effortlessly fine-tune content analysis settings, while decreasing the number of usability complaints by 15 per sprint.

E-Voting System | MySQL, FastAPI, React, HTML and CSS

- Developed and managed an encrypted, database-driven backend using Python, Flask, and MySQL, securing the vote integrity, while decreasing system downtime by 60% with automated maintenance scripts.
- Constructed an encrypted voting system using Python, Flask, and MySQL, testing 200+ edge cases to ensure data security and integrity, and leading to system certification by external auditors.

Edge Detection Robot Project | OpenCV, Python

- Pioneered the design and construction of an edge detection robot using Arduino and semiconductor sensors, achieving 95% accuracy in autonomous navigation within simulated terrain mapping scenarios.
- Collaborated with a cross-functional team to document design specifications, present project progress to faculty panels, and deliver a final demonstration, showcasing strong communication and teamwork skills throughout the development lifecycle

TECHNICAL SKILLS

Programming Languages: Python, C++

Web Technologies: HTML, CSS, JavaScript

AI/ML Libraries: Scikit-learn, Librosa, PyTorch, Pandas

Frameworks: React.js, Tailwind CSS, FastAPI

Databases: PostgreSQL, MySQL

Developer Tools: Git, GitHub, VS Code, Jupyter Notebook

CERTIFICATIONS

Completed **Python Certification**

Completed **AWS: Machine Learning Foundations**

Completed **Artificial Intelligence** (Cognizance'24 IIT Roorkee).