

Sridhar M

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EDUCATION

Coimbatore Institute of Technology

B.E Computer Science and Engineering CGPA: 7.19/10.0

May 2025

Coimbatore, Tamil Nadu

Variyar Hr Sec School

HSC Percentage: 94.24

May 2021

Dharmapuri, Tamil Nadu

SKILLS

Programming Languages: Python, JavaScript, SQL, Java, C

Web Technologies: HTML, CSS

Libraries & Frameworks: ReactJS, Flask

Databases: MySQL, MongoDB

Tools: Git, GitHub

Platforms: Linux, Windows, MacOS

INTERNSHIP

Epicsense Technologies

July 2023 – August 2023

- Worked on projects using Git, GitHub, and ReactJS, gaining practical experience in version control workflows and modern front-end development practices.
- Developed a password manager web application using ReactJS, focusing on secure data handling, responsive design, and user-friendly interface.
- Applied state management and component-based architecture within ReactJS to build dynamic and interactive web pages, improving code maintainability and scalability.

PROJECTS

Skin Cancer Detection System | *HTML, CSS, Bootstrap, JavaScript, Flask, Python, TensorFlow*

- Built and trained a machine learning model leveraging InceptionV3 and ResNet50 architectures for early detection of skin cancer, improving diagnostic accuracy through deep learning.
- Applied advanced image preprocessing techniques such as augmentation, normalization, and data balancing to optimize model generalization and performance.
- Enhanced a full-stack web application using Flask backend and HTML, CSS, Bootstrap frontend, allowing users to upload images and receive real-time diagnostic feedback powered by TensorFlow predictions.
- Incorporated best practices for deploying machine learning models in production environments, including API integration and model versioning.

Blood Management System | *ReactJS, Tailwind CSS, Node.js, Express.js, MongoDB*

- Engineered a comprehensive platform to streamline blood donations, donor management, blood requests, and inventory tracking, focusing on data integrity and operational efficiency.
- Implemented secure user authentication and authorization using JWT tokens, safeguarding sensitive donor and recipient information.
- Designed and expanded a highly responsive and visually consistent frontend using ReactJS and Tailwind CSS, providing users with an engaging and intuitive interface.
- Utilized MongoDB to architect a scalable backend, enabling efficient storage and retrieval of critical data such as donor profiles, blood type inventory, and active requests.
- Optimized API performance and data queries to ensure a fast and smooth user experience even with a growing database.

AI-Driven Resume Feedback and Skill Analysis | *Python, FastAPI, ReactJS, ChromaDB, MongoDB, Google Gemini API, Nomic API*

- Built an AI-powered system to analyze PDF resumes for ATS compatibility and generate personalized, NLP-driven feedback using Google Gemini API.
- Implemented adaptive MCQ generation with dynamic difficulty adjustment to assess domain knowledge and highlight individual skill gaps.
- Implemented a real-time query system using LangChain and ChromaDB, delivering personalized, context-aware suggestions by retrieving semantically relevant resume data via Nomic-generated embeddings.
- Enabled batch upload functionality allowing institutions to submit multiple resumes at once and automatically identify the top 3 candidates based on AI evaluation metrics.

CERTIFICATIONS

FFE Mentoring Program, FFE | **JavaScript Essentials 1**, Cisco | **Interactivity with JavaScript**, Coursera