

SIVABALAJI G

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PROFESSIONAL SUMMARY

Final-year IT student specializing in Full Stack Web Development with expertise in Java, Python, and the SERN stack. Skilled in building scalable applications through internships and projects, with a strong focus on problem-solving and collaboration. Eager to contribute to the software industry by delivering impactful, real-world solutions.

EDUCATION

Meenakshi Sundararajan Engineering College, Chennai

2022-2026

B.Tech in Information Technology

CGPA: 7.89 (Current)

GRT Mahalakshmi Vidyalaya, Chennai (HSC)

May 2022

Score: 79%

Annai Veilankanni School, Chennai (SSLC)

May 2020

Score: 81.8%

SKILLS

Languages: Java, Sql, JavaScript

Frameworks/Libraries: React.js, Flask, Express.js

Database: MySQL, Firestore

Tools: Git, Github, Firebase, VS Code, Postman, Docker, Maven, Vercel, Pythonanywhere

EXPERIENCE

Eagle Tech IT Solutions, Chennai — Web Development Intern

Apr 2024

- Contributed to real-time web development projects, including the design and development of a functional version of the college website.
- Gained hands-on experience with HTML, CSS, and JavaScript, focusing on responsive design and front-end optimization.

Sim Infosystems Pvt. Ltd., Chennai — AI & Data Visualization Intern

Jan 2025

- Developed 3D surface visualization models to represent nuclear reactor data for enhanced analytical clarity.
- Utilized Python, NumPy, and Matplotlib for data processing, analysis, and visual representation of complex datasets.

Prodigy InfoTech, Remote — Full-Stack Web Development Intern

Jul 2025

- Built a SERN stack E-commerce application with user authentication, product catalog, and cart functionalities.
- Implemented RESTful APIs and integrated an SQL database, ensuring efficient backend operations and seamless data management.

PROJECTS

1. Blog & Event Management – SERN Stack (Presidio Workshop)

Developed full-stack web applications using the SERN stack (SQL, Express, React, Node.js) with Docker for MySQL setup. Implemented login/signup authentication and complete CRUD functionalities through RESTful APIs. Designed responsive UIs and efficient backend architecture for managing posts, events, and users seamlessly.

2. Learn-Ease (EdTech Platform)

Developed an AI-integrated learning platform using Python, Flask, Groq, React, Node.js, Tailwind CSS, and Firebase to generate question banks, quizzes, and summaries from uploaded documents. Implemented RAG-based query answering with embedded document retrieval for intelligent responses. Built seamless data synchronization between the Firebase Realtime Database and AI models for a smooth user experience.

3. Smart Mental Healthcare System – Flask & Groq API

An AI-enabled web application built using Flask and integrated with the Groq API to analyze user conversations for emotion and stress detection. The system provides personalized mental wellness insights and interactive support to promote emotional well-being.

4. Smart Education Platform – AI & Web

An AI-driven e-learning platform featuring dedicated portals for students, teachers, and kids with gamified learning modules and automated attendance tracking. Designed to deliver adaptive, engaging, and interactive educational experiences through a unified digital interface.

CERTIFICATES

Presidio – Launchpad Workshop Full-stack & cloud training at MSEC

IBM – Introduction to Software Engineering

Cisco – Introduction to Networks