

Suriyabalaji S

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Portfolio: https://suriyabalaji-portfolio-v1.netlify.app/

Executive Summary

Final-year Computer Science student specializing in Generative AI development. Skilled in building LLM-powered apps, fine-tuning models, prompt engineering, and creating intelligent web tools using Python, JavaScript, and modern frameworks. Passionate about AI-driven automation and real-world problem solving.

Technical Skills

Languages: Java, Python, JavaScript
Frameworks/Libraries: React.js, Node.js, Pandas, Numpy, Matplot
Tools: Git, GitHub, Flutter, Antigravity, Android Studio, Visual Studio Code
Cloud Computing: AWS
DataBase: MySQL

Education

Under Graduate B.Tech in Computer Science and Business System Mohamed Sathak A.J. College Of Engineering, Chennai, TamilNadu <i>CGPA: 7.8 / 10</i>	Chennai, Tamil Nadu 2022 – 2026
Higher Secondary Education Avichi Higher Secondary School Percentage : 69	Chennai, Tamil Nadu 2020 – 2022
Secondary Education Bharathi Matriculation Higher Secondary School Percentage : 75	Chennai, Tamil Nadu 2019 – 2020

Experience

MERN FullStack Development Internship (Online) EduSkills Foundation, India	DEC 2025 – MAR 2026
<ul style="list-style-type: none">Completed MERN Full Stack Virtual Internship at EduSkills and gained practical experience in building web app using MongoDB, Express.js, React.js, and Node.js.Developed full-stack features including RESTful APIs, database CRUD operations, and responsive UI using React.	
GenAI Training and Intern (Offline) IAHV, India	SEP 2025 – DEC 2025
<ul style="list-style-type: none">Completed GenAI training and learned how to build AI apps using LLMs, prompts, and basic model tools.Improved AI response accuracy and speed by optimizing prompts and model workflows.	
Web Development Intern (Offline) Semantic Soft Solutions, Chennai	JAN 2024 – FEB 2024
<ul style="list-style-type: none">Built responsive web components for the client dashboard using HTML, CSS and JavaScript.Collaborated in Agile sprints, used Git for version control and code reviews.	

Projects

- Portfolio Website** 2025
“Personal portfolio website hosted on Netlify, showcasing my frontend development projects, skills, and experience with a focus on modern UI design, responsiveness, and performance.”
- FinAIMT (High-Performance FinTech Ecosystem)** WORKING ON
Developed a comprehensive financial co-pilot currently in the integration phase, bridging a Flutter frontend with an AI-driven backend for automated investment advisory. Implemented Clean Architecture using Riverpod and custom Fl_Charts to visualize Indian asset classes like PPF, Mutual Funds, and Stocks while integrating specialized tax engines for Section 80C compliance.

- **Goshin-Ryu Karate-Do Platform | Modern Martial Arts Ecosystem** WORKING ON
Developed a comprehensive financial co-pilot currently in the integration phase, bridging a Flutter frontend with an AI-driven backend for automated investment advisory. Implemented Clean Architecture using Riverpod and custom Fl_Charts to visualize Indian asset classes like PPF, Mutual Funds, and Stocks while integrating specialized tax engines for Section 80C compliance.
 - **SecuritySentinel (AI-Powered Weapon and Threat Detection System)** APR-2026
Developed a real-time neural-network-driven threat assessment platform currently in the deployment phase, bridging custom-trained YOLOv8 object detection with DeepFace behavioral biometrics for automated surveillance. Implemented a proprietary Multi-Factor Threat Matrix to analyze facial emotions and dynamically scale weapon detection sensitivity while utilizing a Flask-based backend and a premium Glassmorphism UI to dispatch automated forensic alerts via encrypted SMTP.
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Certifications

- Python, JavaScript, BootStrap, Mysql — Spoken Tutorial at IIT Bombay
 - Java — Beasant Technologies
 - Git GitHub — Simplilearn
 - Gen AI — IAHV
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Achievements

- Won 1st place in IIT Madras for Shaastra Techathon- AI/ML Challenge (2024)
 - Top 5 finalist in Technoxion (World Robotics Championship)- Fastest Line Follower (2024)
 - 50+ coding practice problems solved on LeetCode
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Interests

Open-source contribution, competitive programming, AI experimentation, UI/UX design.