

Surendhiran M

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PROFESSIONAL SUMMARY

Software Engineer with a solid foundation in full-stack development, AI/ML systems, and modern web technologies. Skilled in data structures, algorithms, and database design, with experience in building scalable and efficient applications. Driven by a passion for solving real-world problems through clean engineering and continuous innovation in fast-paced environments.

WORK EXPERIENCE

COLLEGETIPS.IN | WEB DEVELOPER INTERN

May 2025 – June 2025

- Developed and deployed a full-stack Digital Literacy platform using React and Flask. Created a multilingual, voice-enabled chatbot powered by Azure OpenAI and Cognitive Services.
- Crafted responsive platforms like the CollegeTips Gallery and Pet-Friendly Homepage using React, Tailwind, and Framer Motion.

SECE THIRAN '25 (TOP 10 FINALIST) | AI MODEL DEVELOPER

Feb 2025 | Coimbatore, India

- Built an AI-powered forecasting model using Random Forest for electricity peak demand prediction, selected as a finalist among 100+ teams.

IAMNEO 48-HOUR HACKATHON (TOP 10) | BACKEND

DEVELOPER – ECO-SCOPE

Oct 2024 | Coimbatore, India

- Developed a low-latency backend for Eco-Scope using SQLite and Express.js, optimizing data processing speed by 30%.

PROJECTS

DIGITAL LITERACY CAMPAIGN – AI CHATBOT PLATFORM

Tech: React, Tailwind, Flask, Azure OpenAI

Link: github.com/Digital-Literacy-Campaign-Website

Built a multilingual, voice-enabled chatbot platform to help elders use apps like WhatsApp and Google Maps. Integrated Azure Cognitive Services for speech output and GPT-based fallback for intelligent responses, and real-time feedback via Google Sheets API.

ECO-SCOPE – ENVIRONMENTAL IMPACT APP

Tech: React, Express, SQLite

Link: github.com/Code-Catalysts

Designed and implemented a real-time carbon footprint dashboard using optimized REST APIs and Express.js. Integrated full-stack environmental metrics for data visualization.

ELECTRICITY PEAK DEMAND PREDICTOR

Tech: Random Forest, React

Designed a machine learning model to forecast electricity load from web-scraped datasets. Built a React-based UI to visualize predictions.

DEVELOPER PORTFOLIO WEBSITE

Tech: React, Tailwind, Framer Motion

Link: github.com/Modern-Portfolio

Built a sleek portfolio site with dark mode, responsive layout, animated transitions, and integrated resume/projects section.

EDUCATION

SRI KRISHNA COLLEGE OF ENGINEERING AND TECHNOLOGY

BACHELOR OF ENGINEERING IN
COMPUTER SCIENCE AND
ENGINEERING

Expected May 2027 | Coimbatore,
India

CGPA: 8.61 / 10.0

SKILLS

PROGRAMMING LANGUAGES

C++, Java, Python, JavaScript,
TypeScript, SQL, Bash

WEB AND FRAMEWORKS

React, Tailwind CSS, Node.js, Express.js,
Spring Boot, Flask, HTML, CSS, Vite,
REST APIs, ThreeJS

AI/ML LIBRARIES

scikit-learn, TensorFlow, OpenCV,
OpenAI, Matplotlib, Seaborn

CLOUD AND DEVOPS

AWS, GCP, Azure, Docker(basic)

TOOLS AND PLATFORMS

VS Code, Git/GitHub, JupyterLab, Figma,
Linux

CERTIFICATIONS

Internshala ML Course | AWS Cloud
Practitioner

GCP Fundamentals (Qwiklabs) |

Azure AI Fundamentals

NPTEL Elite: DBMS, Design Thinking,
Emotional Intelligence

HackerRank: SQL (Basic), Problem
Solving (Basic)

ACHIEVEMENTS

HACKATHONS AND AWARDS

Top 10 – IamNeo Hackathon (Eco-Scope)

Top 10 – SECE Thiran'25 AI Project

Top Performer – Web Development

Intern @ CollegeTips.in

Federal Bank Scholar - Awarded full
tuition sponsorship based on academic
merit

CODING MILESTONES

LeetCode : 500+ Qs, 500-day streak

GFG : 250+ Qs, 200-day streak