



BALA ADHISH N D

AI & Full-Stack Developer
Computer Science and Engineering

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ABOUT ME

I'm an AI and Full-Stack Developer experienced in building scalable APIs and intuitive frontend interfaces. I focus on creating reliable, efficient, and user-centered digital experiences through thoughtful engineering.

WORK EXPERIENCE

Software Engineering Intern — Poorna Technologies Consulting Oct 2025 – Present

- Assisted in feature development, debugging, and improving application performance.
- Collaborated with engineers to write clean, maintainable code and enhance system reliability.

AI Virtual Intern — Infosys Springboard Nov 2025 – Present

- Contributed to AI-NutriCare, an ML-based personalized diet plan generator.
- Gained hands-on experience in data preprocessing, model logic, and structured AI development sessions.

PROJECTS

ACAD-Assist — AI Learning Companion — React, FastAPI, Gemini AI

- Built the complete RAG system using FastAPI, LangChain, Gemini Embeddings, and FAISS.
- Implemented PDF ingestion, chunking, embeddings, and retrieval for accurate textbook-based Q&A.

Carbon Footprint Analyzer — HTML, React, Django

- Developed a web tool to calculate and visualize CO₂ emissions for Indian coal mines.
- Integrated an AI chatbot that recommends emission-reduction strategies and sustainability actions.

EDUCATION

Nov 2022 – Jun 2026 **B.E. Computer Science Engineering**, Kathir College of Engineering, Coimbatore (82.4%)

Jun 2021 – May 2022 **Higher Secondary (HSC)**, Computer-Maths, Sri K. Rangasamy Naidu Hr. Sec. School (77.16%)

2020 – 2021 **SSLC**, Sri K. Rangasamy Naidu Hr. Sec. School (69.8%)

SKILLS

Programming Python, JavaScript, PHP, HTML, CSS

Frameworks Django REST, React, Laravel, Scikit-learn, Pandas, NumPy, TensorFlow, Bootstrap

Tools Git, GitHub, VS Code, Figma, WSL, MCP server

Databases SQL, SQLite, MongoDB