Narmadha G

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LinkedIn | GitHub

SUMMARY

Dedicated Software Engineer with expertise in Python, FastAPI, and Machine Learning techniques. Proficient in AI-driven workflows and MongoDB database management. Experienced in building scalable solutions and enhancing enterprise automation platforms. Skilled in LangSmith, prompt engineering, and deep learning frameworks, with a strong passion for exploring cutting-edge technologies.

SKILLS

Prompt engineering strategies, LangSmith proficiency, FastAPI Development, Python, Machine Learning techniques, Deep Learning frameworks, MongoDB

EXPERIENCE

Jun 2025 - Present

Software Engineer Trainee

Workhall PrivateLimited, Coimbatore,TamilNadu

•Built an AI model to extract text content from input documents and implemented model validations using ML frameworks.

•Developed scalable AI-powered solutions involving web scraping with structured data responses.
•Collaborated with cross-functional teams to design and deploy features, ensuring alignment with business requirements.
•Optimized code performance by restructuring logic, reducing processing time by 15%.
•Gained hands-on experience with debugging tools like LangSmith to streamline the development lifecycle.
•Actively participated in code reviews and knowledge-sharing sessions.

Oct 2024 – May 2025

Machine Learning Engineer Trainee

Workhall Private Limited,Coimbatore,TamilNadu

• Explored and implemented agentic workflows by integrating LLMs. • Contributed to building scalable and intelligent systems leveraging modern AI tools and frameworks.

PROJECTS

Multi-Agent AI ChatBot | Jun 2025
Developed a multi-agent chatbot using LangGraph by integrating tools, memory, and retrieval into a stateful LLM-powered workflow.
AI Model Pricing Extractor | May 2025
Python tool that scrapes and extracts pricing information from AI model provider websites (OpenAI, Google Gemini, etc.) using LLM-powered extraction.

EDUCATION

Nov 2021 - Apr 2025

B.E. Computer Science and Engineering, **CGPA: 8.53**

Bannari Amman Institute of Technology, Erode

ACHIEVEMENTS

•Won Jury Choice Award in Paper Presentation (Driver Drowsiness Detection).
•Winner of BITSHACK (2022) with a cash prize of 10,000.

•Winner of Code-GitFest'22.

•Filed a Patent: ODOR ALERT - Every day citizens' abetment.
•Trained 50+ students in communication and interpersonal skills.
•Coordinated a National Conference (Impellz'23) as CSE-CSI Chapter member.