

Sumit Kumar Gupta

Aspiring Data Scientist & AI Developer | Full-Stack & ML Projects

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Projects

- **Medimengo – AI-Powered Healthcare Platform**

- Built a full-stack AI healthcare platform enabling online doctor consultations, multilingual AI chat, and real-time hospital .
- Developed a clean, responsive UI using Next.js, ShadCN, TailwindCSS for seamless user experience.
- Integrated LangChain, LangGraph, OpenAI/Gemini for multilingual conversational workflows.
- Built scalable REST APIs using Node.js, Express, Prisma, PostgreSQL.
- Integrated Google Maps API for real-time geolocation-based services.

- **Network Security System with ML & Docker**

- Developed a dockerized network security system integrating machine learning models for intrusion detection and threat analysis.
- Implemented automated anomaly detection using scikit-learn and pandas on live network traffic data.
- Containerized the application with Docker for scalability and easy deployment across environments.
- Applied encryption and secure communication protocols to simulate end-to-end secure transactions.

- **DSA Multi-Agent Problem Solver using Autogen**

- Built a multi-agent system using Autogen to automate DSA problem-solving with collaborative, agentic workflows.
- Designed task-oriented AI agents capable of code generation, testing, and iterative debugging for DSA problems.
- Leveraged prompt-based agent design and inter-agent communication for efficient division and resolution of complex tasks.
- Showcased advanced agentic AI and automated reasoning for real-world, scalable problem-solving.

Skills



Education

Acharya Institute Of Technology, Visvesvaraya Technological University

B.E. - Computer Science Engineering (Data Science), CGPA: 7.3

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- Hakathon Runner-up conducted by IEEE IN BMSCE Collage,Banglore.
- Developed “Medimengo”, an AI-powered healthcare platform with multilingual chat and real-time geolocation services.
- Built a multi-agent DSA problem-solving system using Autogen, showcasing advanced agentic AI workflows.
- Completed certifications in LangChain, LangGraph, Agentic AI, ML, and DL to strengthen technical expertise.
- Executive Head at BigO Club, leading coding workshops and AI sessions for peers.