

Sangeet Saha

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Education

Master Of Science, Software Engineering Systems Northeastern University, Boston, MA

GPA: 3.8/4

Relevant coursework: Software Development Lifecycle, Cloud Computing, Agile Software Development.

Bachelor Of Technology, Mechanical Engineering Vellore Institute of Technology, Chennai, India

Relevant coursework: C++ Programming, Data Structures, and Algorithms.

Professional Experience

SAP Basis Consultant

July 2021 - August 2023

Wipro, Bengaluru, Karnataka

- Optimized SAP ECC/S4HANA systems, enhancing performance by 35% and monitoring 1,000+ daily transactions.
- Led maintenance, troubleshooting, & client reporting while mentoring colleagues to reduce resolution time by 20%.
- Streamlined intern hiring by coordinating 50+ interviews and improving feedback processes for greater efficiency.

AI Engineer

January 2025 – Present

Humanitarian AI, Boston, Massachusetts

- Developed a **chain-of-thought AI architecture** to overcome shallow reasoning and simplistic workflows.
- Designed tree-structured AI agents for task decomposition, enabling specialized subtask handling.
- Leveraged **Gradio, LangChain, Ollama, llama3.3:70B, Deepseek R1:14B** and **Neo4j** for system implementation.
- Collaborated with cross-functional teams and **mentored teammates** on unfamiliar technologies.
- Contributed to **scalable AI solutions**, enhancing problem-solving efficiency and team collaboration.

Research Assistant

January 2025 – Present

Course: Organizing Academic Success: AI for Personalized Learning

Northeastern University, Boston, MA

- Developed a dynamic curriculum aligning course topics with students' evolving needs and AI advancements.
- Analyzed student data to track engagement, **refining course content** for improved learning outcomes.
- Designed tailored educational materials to **optimize learning paths** and **enhance academic performance**.
- Created instructional **YouTube videos** and **GitHub guides**, providing hands-on experience with AI tools.

Relevant Projects

REST API Development and GCP Infrastructure Setup

January 2024 - March 2024

- Developed and deployed a Node.js REST API with user authentication, utilizing Sequelize ORM and MySQL.
- Implemented **CI/CD pipeline** with GitHub Actions and Jest for integration testing.
- Utilized GCP for infrastructure, including **CloudSQL, load balancing, and Cloud DNS**.
- Automated environment setup using **Terraform (IaC)** and **Packer** for custom images.
- Enhanced security with **encryption key rings** and implemented logging with **Winston to GCP Log Explorer**.
- Integrated **emailing and notification services** for improved user communication.

Fair Trader AI: LLM-Powered Online Marketplace

October 2024 - November 2024

- Designed and implemented an intelligent marketplace using fine-tuned **llama3.2:3B** for **dynamic price negotiation**.
- Integrated Retrieval-Augmented Generation (**RAG**) for pricing trends, user preferences, & context-aware interactions.
- Developed with the MERN stack (**MongoDB, Express, React, Node.js**) for seamless functionality and scalability.
- Achieved increased uptime by replacing human shopkeepers with 24/7 LLM operations. Reduced operational costs by 50–80% compared to employing human staff, saving ~\$90,000–\$110,000 annually for a medium-sized marketplace.

Sort Visualizer

May 2020 - June 2020

- Interactive sorting algorithm visualizer built from scratch with HTML, CSS, and JavaScript.
- Programmed and illustrated 7 popular sorting algorithms of $O(n^2)$ and $O(n \log n)$ time complexity.

Technical Skills

Languages:	C++, Java, Python, Javascript, Bash.
Web Technologies:	HTML, CSS, React, Node.js, Spring Boot
Cloud & DevOps:	Git, GitHub Actions, Terraform, Packer, GCP
Databases:	MySQL, MongoDB, PostgreSQL, Pinecone, ChromaDB
Other Tools:	Linux, ANSYS, SolidWorks, Figma, Postman, Trello, Moqups, Ollama, Neo4j
Interpersonal Skills:	Excellent Communication, Presentation skills, Analytical skills, Collaboration.