

Soumojit Datta

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🔗 Portfolio in LinkedIn 🌐 github

Summary

Analytical AI Engineer specializing in RAG pipelines, scalable microservices, and multi-agent orchestration to build intelligent automation systems.

Education

Narula Institute Of Technology B.Tech in Computer Science and Engineering (AI & ML) - 8.08 CGPA (till 7th Sem)	Sept 2022 – July 2026
Belgharia High School Higher Secondary (12th) - 75.4%	2022
Belgharia High School Secondary (10th) - 77.4%	2020

Skills

Languages: C++, C, Java, TypeScript, SQL, JavaScript, Python, Rust, Golang, Bash, HTML, CSS.

Tech/Frameworks: Next.js, ReactJS, Springboot, NestJs, FastAPI, Tailwind, Node.js, Express.js, Threejs, React Three Fibre, Framer, GSAP, Linux, React Native, Turborepo, **PyTorch, TensorFlow, LangChain, LangGraph (AI frameworks)**, Pandas, NumPy.

Databases & Dev Tools: PostgreSQL, MongoDB, Qdrant (Vector DB), Redis, VS Code, Git, Docker, Postman, GitHub, Vercel, Figma, AWS, **Hugging Face Hub, OpenAI API**, Excel, Power BI.

Experience

Full Stack Developer Kolkata, IN
CyberPeak IT Solutions Pvt. Ltd. - Internship Jun 2025 – Feb 2026

- Architected an AI-powered booking system and a Discord-style **Project Management Tool** using **FastAPI** and LLMs.
- Implemented **MCP Servers** for tool calling, enabling semantic search and automated task execution.
- Engineered scalable **E-commerce** solutions with **RAG pipelines**, backed by **PostgreSQL** and **Docker**.

Full Stack Web Developer Remote
Freelance Feb 2022 – Present

- Developed AI microservices and REST APIs for seamless data ingestion and ML model serving.
- Optimized client-facing LLM accuracy using advanced prompt engineering and reranking strategies.
- Architected data-intensive, AI-automated web apps for real-time synchronization and improved user retention.

Projects

AI Interview Coach (MockMind AI) [GitHub](#)
Dec 2025 – Ongoing

- Engineered a multimodal platform utilizing **NLP** with **semantic and sentiment analysis** to evaluate answer accuracy, speech patterns, and interview confidence.
- Integrated **Computer Vision** to evaluate facial expressions and deployed a multi-agent reasoning engine using **LangGraph** and **Qdrant Vector DB**.

Deductly (Tax Analytics RAG) [GitHub](#)
Jun 2025 – Ongoing

- Designed and implemented **RAG pipelines** using TypeScript and Python to index tax laws and generate clear, citation-backed reports.
- Applied **Chain of Thought** prompting and a **Human-in-the-loop** approach to interactively gather missing user details and synthesize accurate tax-saving strategies.

Flow (Visual Web Scraping Automation) [GitHub](#)
Mar 2025 – Ongoing

- Engineered an intuitive drag-and-drop web application that democratizes complex data extraction and scraping workflows for non-technical users.
- Architected scalable automation pipelines, empowering users to efficiently harvest and process web data without requiring custom code.

Extracurricular Activities

Web Dev Associate On Campus
Google Developer Student Club (GDSC) Aug 2023 – Aug 2024

- Collaborated with a team to organize technical events and workshops for the student community.
- Facilitated introductory sessions on modern web development and machine learning concepts.