Shaurya Bajpai

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EDUCATION

The LNM Institute of Information Technology — **Jaipur, Rajasthan**
B.Tech in Computer Science Engineering — *Aug 2023 – Aug 2027*

Professional Experience

Marine Edge — **Mar 2025 – Jan 2026**
Software Development Engineer Intern — *Bengaluru, Karnataka*

- Engineered a **full-stack web platform** serving **7,000+ users globally**, owning features from the **React** UI to **Node.js** REST APIs
- Integrated the **Razorpay REST API** and automated deployment with **CI/CD**, shipping frequent updates with fewer manual steps
- Built a **role-based access control (RBAC)** system and tuned queries and indexes for a **30% faster load speed**
- Diagnosed production issues through **log analysis** to root cause rather than surface symptoms

APJ Academy — **Aug 2024 – Feb 2025**
Frontend Web Developer Intern — *Bengaluru, Karnataka*

- Optimized **database queries**, reducing data retrieval latency by **25%** through query and index analysis
- Implemented **real-time data synchronization** over WebSockets for low-latency updates
- Built responsive UIs in **React.js**, collaborating with the team on code reviews and quality

Projects

Ecom Microservice GraphQL | Live App | *Node.js, GraphQL, MongoDB, Apache Kafka, Docker*

- Built **3 independent backend services** behind a single **GraphQL API**, each containerized with **Docker**
- Designed **event-driven communication** between services over **Apache Kafka** producer/consumer topics
- Traced and fixed a **silent message-loss bug** caused by a producer/consumer topic-name mismatch

NammaStocks – AI Stock Platform | Live App | *React, TypeScript, Python, FastAPI, PostgreSQL, LangChain*

- Built a **React + TypeScript** frontend and a **Python FastAPI** backend over PostgreSQL, connected over REST
- Added "Stockie," an **AI assistant** where the LLM returns **tool-call actions** the app executes, with SSE streaming
- Integrated **OpenAI, Anthropic, and Gemini** behind one pluggable provider layer via **LangChain**

OARFIN – Cross-Platform Emergency Response | Live App | *React, Node.js, Flutter, Gemini API*

- Built the **React/Node web app** and a **Flutter mobile app** on one shared backend, for web and Android/iOS
- Used the **Gemini API** as an **LLM relevance classifier** to filter scraped content before it reaches users
- Merged **Overpass and FEMA geospatial data** with failover and Haversine routing; **Runner-Up**, HackCrux

Technical Skills

Languages: JavaScript, TypeScript, Python, C++, SQL
Frontend: React.js, Next.js, Redux, Tailwind CSS, HTML5, CSS3, Responsive Design
Backend & Data: Node.js, Express.js, FastAPI, REST APIs, GraphQL, Microservices; PostgreSQL, MongoDB, MySQL, Redis
DevOps & Cloud: Git, Docker, CI/CD (GitHub Actions, Jenkins), Apache Kafka, Nginx, AWS (basics), Linux
AI Integration: LLM APIs (OpenAI, Anthropic, Gemini), LangChain, RAG, Prompt Engineering
CS: Data Structures & Algorithms (300+ solved), OOP, System Design

Achievements & Certifications

- **GenAI Workshop – LNMIIT** (100/100): **ANN, CNN, RNN, LLMs, RAG**, prompt engineering
- Solved **300+ DSA problems** in C++ across LeetCode and competitive programming platforms
- Secured **Runner-Up** at the LNMIIT HackCrux Hackathon for **OARFIN**, a real-time emergency response and navigation platform
- **HackRx 6.0 Hackathon**: Finalist in the hackathon organized by Bajaj Finserv Health Limited
- Shortlisted as **Top 5 Teams** from our college for the **Smart India Hackathon (SIH)**
- **Core Member, Media Cell** and **Sponsorship Head, Vivacity** (cultural fest) at LNMIIT