

Alisha Sharma

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Education

The LNM Institute of Information Technology (LNMIIT)

2021 – 2025

Bachelor of Technology, Electronics and Communication

Relevant Courses: Data Structures and Algorithms, Databases, Operating Systems, System Design, Machine Learning

Work Experience

Software Engineering I, Alaan (YC '23)

Dec'25 – Present

Bengaluru, India

- Integrated Large Language Models (LLMs) into production APIs, embedding AI capabilities within existing backend workflows using LangSmith for observability, evaluation, and iteration.
- Designed and optimized prompting strategies, structured response parsing, and latency-sensitive flows to ensure reliability and consistency at scale.
- Built and maintained multiple scalable RESTful APIs powering core payment and expense workflows, improving system reliability and end-to-end transaction handling.
- Worked closely with product and AI teams to ship features focused on reducing manual effort and improving user experience across financial workflows.
- **Technologies:** Nest.js, Langsmith, Typescript, MongoDB, MySQL, Docker

Software Engineering Intern, Ola Krutrim

May'25 – Nov'25

Bengaluru, India

- Designed and developed microservices in Go for the DBaaS (Database-as-a-Service) platform — handling cluster provisioning, caching with Valkey, token refresh flows, and asynchronous status updates.
- Implemented Active Directory / LDAP integration for automated enterprise user and group sync, improving onboarding efficiency and reducing manual IAM maintenance.
- Contributed to a remote VM command execution system (SSM-like) using Kafka and VNC.
- Created a secure policy validation API layer featuring JWT-based authentication, schema validation, and granular access-control enforcement aligned with IAM compliance standards.
- **Technologies:** Go, MongoDB, Valkey, Kafka, JWT, Docker, Kubernetes, AD/LDAP

Software Engineering Intern, Signzy

Feb'25 – May'25

Bengaluru, India

- Designed and implemented scalable RESTful APIs for KYC and KYB workflows.
- Optimized high-throughput REST APIs with asynchronous task queues (**Redis**) and caching for multi-tenant workloads.
- Deployed services via Docker, ensuring auto-scaling and consistent observability with CloudWatch.
- **Technologies:** Node.js, Fastify, Express.js, MongoDB, React.js, AWS, REST APIs, FastAPI, Python, Redis, Docker

Software Engineering Intern, Microsoft

May'24 – July'24

Hyderabad, India

- Engineered a scalable **real-time data ingestion system** processing over 1,000 events/sec with **near-zero data loss**, reducing processing time from 36 hours to real-time.
- Designed a rule engine achieving **100% accuracy** in data segregation, improving scalability and maintainability.
- Implemented multithreaded concurrency (semaphores) to enhance performance.
- **Technologies:** Azure Event Hubs, Azure Functions, Azure Blob Storage, C#, .NET

Projects

E-Learning Platform — [GitHub Link](#) — [Live Link](#)

May'24 – July'24

- Developed a platform for sharing course materials, live discussions, and collaboration, supporting **100+ users** with a 90% engagement rate.
- Integrated **JWT authentication** for secure access and **Socket.IO** for real-time chat, improving collaboration speed by 50%.

- **Technologies:** MERN Stack, JWT, Socket.IO

Technologies

Languages: Python, C++, Go, C#, JavaScript (Node.js, React.js)

Frameworks: PyTorch, FastAPI, Flask, Express.js, ASP.NET Core, Fiber, Gin

Cloud & DevOps: AWS (EC2, S3, Lambda), Azure, Docker, Kubernetes, CI/CD

Databases: MongoDB, PostgreSQL, Redis, MySQL

Other Tools: Git, GitHub, REST APIs, Kafka, Microservices Architecture

Achievements & Leadership

- Winner, **Crack the Code 4.0 Hackathon** (Niti Aayog '23) – Secured INR 100,000 for an innovative backend solution.
- **President, Capriccio – The Music Club (LNMIIT):** Led budgeting, event planning, and PR for cultural activities.