Mishra Roushankumar

+91-9499701651 mishraroushan455@gmail.com
linkedin.com/in/roushankumarmishra github.com/MishraRoushankumar roushankumar.in

Professional Summary

Backend-focused software engineering student building full-stack systems with Next.js, Spring Boot, and PostgreSQL. Shipped a RAG-powered GitHub repository assistant and a Postman-style API testing platform with OAuth-based authentication. Solved 244+ DSA problems on LeetCode and qualified GATE 2026.

Education

J.K Institute of Applied Physics and Technology, University of Allahabad Prayagraj, India
B.Tech in Computer Science and Engineering (CGPA: 6.40/10) *2027*

Amity School Bharuch, India
Intermediate (CBSE) - Percentage: 85.4% *2023*

Projects

RepoBeacon Live GitHub
Next.js, React, Spring Boot, PostgreSQL, RAG

- Built an AI-powered GitHub repository assistant that lets developers query and understand unfamiliar codebases using retrieval-augmented generation (RAG), grounding LLM responses in actual source context instead of hallucinated summaries.
- Designed a full-stack architecture spanning a Next.js frontend, Spring Boot backend, and PostgreSQL persistence layer, with GitHub API integration for automated repository ingestion.
- Built an ingestion and retrieval pipeline that converts source files into semantic embeddings and surfaces the most relevant code context per query, improving answer relevance over naive keyword search.

Hermes GitHub
Next.js, TypeScript, PostgreSQL, Prisma, Better Auth

- Built a full-stack API development and testing platform (Postman-style) for creating, organizing, and executing HTTP requests through a web interface.
- Designed persistent API workspaces backed by PostgreSQL and Prisma, letting users organize requests and preserve development state across sessions.
- Implemented authentication and session management with Better Auth, integrating GitHub and Google OAuth, and maintained a ticket-driven workflow with CI pipelines (lint, CodeQL) for every change.

Technical Skills

Languages: Java, Python, TypeScript
Backend: Spring Boot, REST APIs, Express.js
Frontend: React, Next.js, HTML, CSS
AI/ML: RAG, LLM Applications, Machine Learning, NLP
Databases: PostgreSQL, MySQL
DevOps / Cloud: Docker, GitHub Actions, CI/CD, Vercel
Tools: Git, GitHub, Linux, Postman

Achievements

GATE 2026: Score: 443 — All India Rank: 12,527

LeetCode: Solved 244+ algorithmic problems covering data structures and algorithms.