

Rishabh Gupta

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 LinkedIn  GitHub  LeetCode  Portfolio
Dehradun, Uttarakhand, India

PROFILE SUMMARY

Java Backend Developer specializing in **Spring Boot, Spring Security, and scalable backend systems**. Built production-ready applications featuring HLS video streaming, MFA-enabled authentication, Redis caching, AI-powered RAG systems, and cloud-based storage integration. Proficient in REST API development, asynchronous processing, Docker, and database design, with strong problem-solving skills demonstrated through 600+ DSA problems solved.

TECHNICAL SKILLS

Languages: Core Java, Advance Java, OOPs, Collections Framework, Multithreading, Exception Handling, SQL

Frameworks: Spring Boot, Spring Security (JWT, OAuth2, OTP, OTT, MFA), Spring Data JPA, Spring AI

Backend & Architecture: REST APIs, API Integration, Authentication & Authorization, Asynchronous Processing, Completable Future, Virtual Thread

Cloud & DevOps: Docker, CI/CD, Cloud Deployment

Databases & Caching: MySQL, Redis Cache, MongoDB Atlas Vector Search

Testing & Tools: Git, GitHub, Swagger/OpenAPI, Postman, Logging (SLF4J)

AI and Emerging Tech: Generative AI, RAG, Embeddings, LLM Integration

PROJECTS

Video Stream – On-Demand Video Streaming App Live Demo | GitHub | Sep 2025 – Nov 2025

- **Tech Stack:** Core Java, Spring Boot, Spring Security, Spring AI, FFmpeg, CloudFlare R2, Docker-Compose
- Implemented **HLS-based adaptive bitrate video streaming** for smooth playback.
- Designed scalable REST APIs with chunk-based streaming, reducing initial load time by 60%.
- Implemented secure authentication and authorization using JWT, OAuth2, RBAC, OTP, One-Time Token (OTT), and **Multi-Factor Authentication (MFA)** with Spring Security.
- Optimised video upload concurrency using Java Virtual Threads enabling lightweight, scalable parallel uploads without delay also use Completable Future for non blocking call.

SnapBuy – E-Commerce Application Live Demo | GitHub | Jun 2025 – Aug 2025

- **Tech Stack:** Core Java, Spring Boot, Spring Security, Spring AI, Redis Cache, Stripe, MySQL, Docker-Compose
- Built a RAG based chatbot using MongoDB Atlas Vector Search to help users to search product quickly without understanding software completely.
- Implemented **JWT + OAuth2** authentication with OTP verification also use passwordless login with One Time Token.
- Improved API performance using Redis caching & pagination & sorting.
- Integrated **Stripe Payment Gateway** for secure online payments.

Yojna Setu (AMD Hackathon by Hack2Skill) GitHub | Feb 2026 – March 2026

- **Tech Stack:** Core Java, Spring Boot, Spring AI, Gemini API, RAG, MongoDB Atlas Vector Search, REST APIs
- Built a voice-first, multilingual AI to help rural citizens access welfare gov schemes.
- Integrated Spring AI (RAG) with MongoDB Atlas Vector Search for PDF-based government scheme retrieval.
- Delivered a solution combining robust engineering with social impact, empowering low-literacy users to claim benefits.

EDUCATION

Graphic Era Deemed to be University, Dehradun, Uttarakhand July 2024 – June 2027

- Bachelor of Computer Applications (BCA – Industry Integrated), CGPA: **8.5**

CERTIFICATIONS & ACHIEVEMENTS

Solved 600+ DSA problems on LeetCode focusing on topics like DP, Graph, Tree, Heap, etc.

Oracle Certified AI Foundations Associate – [Link](#)

SAP Certified - SAP Generative AI Developer – [Link](#)