

Anukalp Gupta

Backend Engineer — Java & Spring Boot

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EDUCATION

GLA University

Bachelor of Technology in Computer Science

Mathura, Uttar Pradesh

Aug 2023 – May 2027

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Computer Networks, DBMS
- Competitive Programming: Solved 200+ problems across LeetCode and GeeksforGeeks focusing on graphs, trees, and dynamic programming

TECHNICAL SKILLS

Languages: Java (Proficient), SQL, JavaScript/TypeScript

Backend & Frameworks: Spring Boot, Spring Security, Maven, REST API Design, JWT Authentication

Databases: MongoDB (Schema Design, Indexing, Aggregation Pipelines), MySQL, Firebase Firestore

Tools & Technologies: Git/GitHub, Postman, JMeter, Vercel, Cloudinary, Google Gemini AI

Core Fundamentals: Data Structures & Algorithms, Object-Oriented Design, Operating Systems, Computer Networks, Database Optimization, System Design

EXPERIENCE

Mobile App Development Intern

W3 Grades

May 2025 – Sep 2025

Mathura, India

- Developed cross-platform mobile apps using Flutter and Dart with 5+ responsive UI screens and form validation
- Integrated RESTful APIs; collaborated with backend team to debug payload mismatches, reducing data fetch time by 30%
- Implemented state management using Provider pattern; worked with 4-member team using Git for version control

PROJECTS

Online Exam System - DSA Implementation | *Java, Data Structures* | github.com/ask8962

Jan 2025

- Designed console-based exam system implementing 6 data structures: Array, ArrayList, HashMap, LinkedList, BST, Binary Search
- Implemented HashMap for O(1) student lookup, BST for O(log n) ranking insertion, LinkedList for attempt history tracking
- Built auto-scoring with Binary Search reducing student ID queries from O(n) to O(log n) on sorted ArrayList

GLA Exam Portal - Academic Assessment System | *Node.js, Express.js, MongoDB* | glaxamportal.site

Oct 2024

- Designed examination backend with Express.js and MongoDB for 500+ users with role-based access control
- Developed 12 RESTful APIs for exam scheduling; implemented MongoDB aggregation pipelines for grade calculations

GLA Gallery - Campus Event Platform | *Next.js, Firebase, TypeScript* | glagallery.vercel.app

Nov 2024

- Built event platform with Firebase Authentication and Firestore; used by 100+ students for campus event updates
- Implemented real-time data sync using Firestore listeners; debugged Firebase security rules

ACHIEVEMENTS

Top 5 Finalist: Hack-a-Pirate, Oblivion'25 - Built real-time system in 24-hour hackathon (National Level)

Finalist: Buildathon 2025 - Presented scalable architecture for EdTech solution (Innovation Challenge)

Problem Solving: 200+ DSA problems solved on LeetCode and GeeksforGeeks; Strong foundation in graphs, trees, dynamic programming