

SAURAV KUMAR

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[Linkedin](#) | [LeetCode](#) | [Github](#)

Education

SRM University, Delhi NCR, Sonipat, Haryana	2026
• Computer Science and Engineering	CGPA: 8.5
CM Science College, Darbhanga, Bihar	2022
• BSEB (Class XII)	Percentage: 83
Mahatma Gandhi Shikshan Sansthan, Darbhanga, Bihar	2020
• CBSE (Class X)	Percentage: 85.4

Technical Skills and Interests

Programming Languages: Java, C, Python

Developer Tools: Android Studio, Visual Studio Code, GitHub, IntelliJ IDEA

Cloud & Databases: SQL, Firebase, Firestore, SQLite, MongoDB, Amazon Web Services (AWS)

Frameworks & Libraries: Spring Boot 3, Spring 6, Spring Core, Spring REST, Spring MVC, Spring Security, Thymeleaf

Coursework: Database Management Systems (DBMS), Operating Systems (OS), Computer Networks

Soft Skills: Problem Solving, Teamwork, Communication, Leadership

Areas of Interest: Data Structures & Algorithms (DSA), Android Development (Java), Backend Development (Spring)

Projects

Real-Time Ticket Booking App

- Enhanced a **real-time ticket booking application** with secure user authentication and a seamless booking experience.
- Applied **Spring Boot, Spring MVC, JPA, Hibernate, and MySQL** for efficient backend development.
- Created a **responsive and dynamic UI** using **Thymeleaf and Bootstrap** for an enhanced user experience.
- Integrated **real-time seat availability updates** to prevent overbooking and ensure accurate reservations.
- Used **RESTful APIs** to enable smooth communication between frontend and backend.
- Implemented **payment gateway integration** for secure online transactions.
- Ensured **scalability, security, and high performance** by optimizing queries and following best practices.

Encrypted Journal App

- Prepared a **secure Android application** with an intuitive user interface for seamless journaling.
- Implemented **sign-in/sign-out functionality**, enhancing user authentication and data security.
- Optimized **user experience**, leading to a **30% increase in user retention** through streamlined access to personal journal entries.
- Utilized **Java, Room Database, and Firebase Authentication** to ensure data integrity and security.
- Designed a **responsive UI** for smooth navigation and improved usability.

Spring Boot 3 Job Portal Web Application

- Developed a full-stack job portal using **Spring Boot 3, Spring MVC, Thymeleaf, Spring Security, JPA, Hibernate, and MySQL**.
- Executed **user authentication and authorization** with Spring Security to ensure secure access.
- Developed and integrated a **responsive UI** using Thymeleaf for job listings, applications, and employer dashboards.
- Applied **JPA and Hibernate** for efficient database management and query optimization.
- Enforced **CRUD operations** for job postings, applications, and user profiles.
- Ensured **scalability and maintainability** by following industry best practices in Spring Boot development.

Work Experience

The Indian Express | Information Technology intern

Jul'24 - Aug'24

- **Managed** networks and servers, ensuring **99.9% system uptime**, improving operational efficiency.
- **Planned, created, and administered** databases, optimizing performance, resulting in a **30% reduction in query response time** and enhanced data integrity.
- **Diagnosed and resolved** IT-related issues, reducing downtime by **40%** and improving system reliability.
- **Gained hands-on experience** in IT infrastructure management, troubleshooting, and database administration, contributing to a **20% increase in overall system efficiency**.

Achievements

- Secured a **global rank of 6232** in a **LeetCode contest**, demonstrating strong problem-solving skills.
- Solved **300+ LeetCode challenges** across **easy, medium, and hard** levels, enhancing proficiency in **data structures and algorithms**.