

Kumar Gaurav

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Summary

Software Engineer with strong skills in Java, JavaScript, and SQL and experience building full-stack applications using React, Node.js, and Spring Boot. Passionate about solving real-world problems and developing scalable web applications. Experienced in REST APIs, database design, and modern web development tools.

Education

B.Tech in Computer Science and Engineering

Poornima College of Engineering, Jaipur

2024

CGPA: 8.2

Technical Skills

Programming Languages: C++, Python, Java, JavaScript, Collections

Front-end Frameworks and Styling: HTML5, CSS3, ReactJS, TailwindCSS, Web Development

Back-end Frameworks: Node.js, React.js, JDBC, Spring, SpringBoot

Databases: SQL, JDBC, MongoDB

Tools and Platforms: Git, GitHub, JSP, Hibernate, Eclipse

Soft Skills: Leadership, Creativity, Hardworking, Quick Learning, Strategic Thinking

Internship Experience

Full Stack Java Developer, Tap Academy

October 2025 – Present

- Completed an intensive 500+ hours of hands-on training covering Core Java, Advanced Java, SQL, HTML5, CSS3, JavaScript, JDBC, Hibernate, Spring, and Spring Boot.
- Designed and implemented 5+ mini projects and 2 major full-stack applications, showcasing expertise in end-to-end software development.
- Enhanced backend efficiency through optimized SQL queries and database normalization, achieving up to 25% faster data retrieval in project simulations.

Software Engineer Intern, Hindalco Industries Ltd

July 2023 – January 2024

- Gained practical experience in front-end web development by building responsive and user-friendly interfaces.
- Worked as a trainee on a Library Management System project, contributing to core features like book cataloging, user registration, and issue/return workflows.
- Applied foundational IT skills to design, test, and refine project modules under mentor supervision.

Projects

Student Management REST API

[GitHub](#)

- Developed a RESTful Student Management API using Java, Spring Boot, Spring Data JPA, and Hibernate.
- Implemented CRUD operations with GET, POST, PUT, PATCH, and DELETE endpoints following REST principles.
- Designed layered architecture using Controller, Service, DTO, and Entity components for clean and maintainable code structure.
- Used JPA/Hibernate for database persistence and Lombok annotations to reduce boilerplate code.
- Handled HTTP responses using `ResponseEntity` with proper status codes and JSON request/response mapping.

Paytm Clone (Full Stack MERN Application)

[GitHub](#)

- Developed a full-stack Paytm-like digital wallet application using MERN stack (MongoDB, Express.js, React.js, Node.js).
- Implemented secure user authentication and authorization using JWT.
- Built core wallet features enabling users to send and receive money between accounts.
- Designed RESTful APIs for user management, transactions, and wallet balance updates.
- Maintained transaction history and real-time balance tracking using MongoDB.

URL Shortener Application

[GitHub](#)

Technologies: React.js, Node.js, Express.js, MySQL, REST APIs

- Developed a full-stack URL shortener application to convert long URLs into short, shareable links with custom alias support.
- Built a responsive frontend using React to enable URL creation, display shortened links, and track usage with a dynamic dashboard.
- Designed RESTful APIs using Node.js and Express.js for URL generation, retrieval, redirection, and server health monitoring.
- Implemented MySQL database to store URL mappings, click counts, and timestamps, enabling efficient data retrieval and analytics.
- Engineered redirection logic with click tracking, incrementing usage metrics each time a shortened link is accessed.
- Applied server-side validation and environment-based configuration for secure and scalable backend operations.