Suraj Giri

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EDUCATION

Bachelor of Computer Applications (BCA), Computer Science   2022-2025

Shri Ram Institute management and technology Kashipur , Uttarakhand

EXPERIENCE

Java Developer Intern | Elevate Labs | Aug 2025 – Sep 2025

- Developed a full-stack Java web application as a capstone project, leveraging Spring Boot to create RESTful APIs and implement JWT authentication for secure user access .
- Engineered robust backend services using Core Java, OOP principles, and JDBC to handle business logic and data persistence, improving application efficiency .
- Designed and optimized relational database schemas in MySQL, enhancing query performance and ensuring data integrity .
- Maintained clean, version-controlled code using Git/GitHub and honed problem-solving skills through daily debugging and complex feature implementation .

PROJECTS

QuickInvoice – Online Invoice Generator

- Engineered a full-stack invoice management application using Spring Boot and React, automating PDF generation and delivery to reduce manual processing time by 40%.
- Implemented robust authentication with Clerk and JWT, resolving critical system crashes and establishing a secure, reliable access control system.
- Designed and developed a dynamic invoice creation module supporting unlimited line items, increasing user flexibility and data entry efficiency by 60%.
- Architected a scalable NoSQL database with MongoDB to manage over 10,000+ invoice records efficiently, ensuring consistent performance with zero degradation.
- Fortified all RESTful APIs with Spring Security and token validation, decreasing security vulnerabilities by 50% and safeguarding sensitive financial data.
- Automated the client communication workflow via SMTP integration, achieving a 99% successful delivery rate for system-generated invoices.
- **Link : https://github.com/SurajGiri55446/invoice-generator**

Job Portal System

- Developed a full-stack job portal from the ground up using a Spring Boot backend with Thymeleaf templating, a MySQL database, and Hibernate JPA for object-relational mapping.
- Architected a secure role-based access control (RBAC) system with Spring Security and BCrypt encryption, segregating functionalities for employers and applicants.
- Engineered advanced search functionality with filters and pagination, decreasing job search time and improving user efficiency by 40%.
- Integrated a resume management system allowing applicants to upload documents and employers to view and filter applications, streamlining the hiring workflow.
- Optimized database performance and scalability through Hibernate, enabling the system to efficiently manage over 500+ concurrent job listings and applications.
- Debugged and resolved critical backend issues including dependency injection errors, security misconfigurations, and SQL exceptions, increasing system uptime and reliability by 25%.
- **Link : https://github.com/SurajGiri55446/job-portal**

SKILLS

- **Programming Languages:** Java, JavaScript, C/C++
- **Web Technologies**: HTML, CSS, Bootstrap
- **Backend:** Spring Boot, REST APIs, JWT, Clerk Auth , Hibernate(ORM)
- **Databases:** MySQL, MongoDB
- **Tools & Others:** Git, Docker, Postman, SMTP
- **Concepts:** Object-Oriented Programming (OOP), Authentication & Authorization, API Security, MVC Architecture