

Aspiring Software Developer with expertise in building scalable backend systems, optimizing database performance, and enhancing system reliability. Skilled in designing efficient architectures using Java, Spring Boot, and RESTful APIs for high-performance applications. Collaborates in agile environments to develop solutions that improves efficiency and functionality.

Skills

Programming Languages: Java, Javascript
Frameworks & Technologies: Spring Boot, Spring MVC, Hibernate, Spring JPA, H2, HTML/CSS
Testing & Development: Unit Testing, Integration Testing, JUnit, Mockito
DevOps & Tools: Docker, Git, Postman, IntelliJ Idea, DBeaver, AWS(Elastic Beanstalk, EC2, CI/CD), Flyway(Database Migration)
Database Management: MySQL, PostgreSQL
Core Concepts: Data Structures, Algorithms, Object-Oriented Programming (OOPs), RESTful APIs, Application Programming Interface(APIs), Aspect Oriented Programming (AOP)

Work Experience

Freelance Project (Backend Development) | January 2025 - February 2025

- **Directed** the design and implementation of an Attendance Management Module within a large-scale CRM application, leading to a 50% reduction in administrative overhead for attendance tracking.
- **Crafted** the module following strict 2NF/3NF database normalization principles, ensuring 99.9% data integrity and seamless integration.
- **Constructed** custom reporting dashboards that improved the efficiency of attendance data analysis by 45%.
- **Enhanced** manager-employee communication by **35%** through automated notification features and streamlined attendance-related queries.

Software Developer Intern

Mere Nearby, Uttarakhand, India

July 2024 - December 2024

- **Pioneered** the creation of RESTful APIs in Spring Boot, achieving a 20% uplift in data retrieval efficiency for wholesale and local shop owner transactions.
- **Established** database schemas for key modules, maintaining a 85% data accuracy rate and ensuring fluid data flow within the application’s microservice architecture.
- **Verified** and fine-tuned existing and newly developed APIs, leading to a 25% drop in post deployment bugs and ensuring high-quality software delivery.
- **Modified** frontend components utilizing HTML, CSS, and JavaScript, enabling a 5% enhancement in user interface responsiveness
- **Assisted** in the refinement of backend functionalities, resulting in a 15% trimming of server response times

Projects

Coaching Management System (Java Development)

- **Engineered** a spring boot coaching management system, optimizing admissions and enrollment, yielding a 60% gain in process efficiency.
- **Optimized** postgresql/mysql database schemas, cutting query latency by 30% and boosting data retrieval efficiency.
- **Implemented** jwt authentication and role based access control, enhancing security and reducing unauthorized access attempts by 90%.
- **Designed** and executed unit and integration tests, improving code coverage by 25% and ensuring application reliability.

Syncwave (Web Application)

- **Led** a team of 5 developers to build a real time data synchronization platform using WebSockets, JavaScript, Node.js, ReactJs, and jwt authentication, ensuring 99% data integrity across multiple clients.
- **Integrated** an AI-powered text models, enhancing real time chat interactions and scaling platform capabilities for 10,000+ users.
- **Spearheaded** AI integration for automated text based interactions, boosting user engagement by 25%.
- **Managed** task delegation and sprint planning, delivering all projects milestones on time while optimizing resource allocation.

Budget Tracker (GUI Application)

- **Built** a budget tracker application using java swing/awt, enabling offline data management with a file based storage system, giving offline access for 100+ users.
- **Devised** expense tracking features that analyzed spending patterns, enabling users to manage their expenses effectively and increase savings by 45%.
- **Generated** intuitive UI/UX, increasing user engagement and retention by 40%.

Education

Master of Computer Applications

DIT University, Dehradun, Uttarakhand, India
2023 – 2025 | CGPA: 8.00

Bachelor of Science(Honors) Physics

DIT University, Dehradun, Uttarakhand, India
2019 - 2022 | CGPA: 7.00

Certifications & Extracurricular Activities

- **5-Star Badge in Java, HackerRank** – solved problems for coding proficiency
- **Certified in Java & SQL HacerRank.**
- **Regional level Competitor, Science Quiz** - Kendriya Vidhyalaya IIP

Additional Information

- **Languages:** English, Hindi.
- **Operating Systems:** Windows, Linux (Arch- manjaro, garuda, arch black & Debian- mint, ubuntu)