SHUBHAM KUMAR

Backend Developer

📞 +91-9996900735 ✉ shubhamm050402@gmail.com 🔗 LinkedIn ⌁ LeetCode ⧖ GeeksforGeeks

EDUCATION

J.C. Bose University of Science and Technology **2020 – 2024**
B.Tech - Electronics and Computer Engineering - **CGPA - 8.49** *Faridabad, Haryana*

D.A.V. Centenary Public School **2019**
Senior Secondary - **Percentage - 88%** *Panipat, Haryana*

TECHNICAL SKILLS

Languages: C++, Java 8, Python, SQL
Technologies/Frameworks: Spring Boot, Hibernate
Databases: PostgreSQL, MongoDB

EXPERIENCE

Veersa Technologies (Full Time + Internship) **Noida, India**
Software Engineer *Jan 2024 – Present*

- Developing and maintaining backend services using **Java, Spring Boot** for a Customer Relationship Management (CRM) system.
- Developed and integrated **authentication mechanisms** to ensure secure access control.
- Utilized **Cognito** for authentication in local and development environments and **Entra** for UAT and production environments.
- Implemented **SendGrid** for managing inbound and outbound messages.
- Created portals for providers and staff registration, streamlining onboarding and facility management.
- Worked with **Python, Django, and Flask** during the **Internship period**, contributing to web application development and learning how to **Dockerize applications** for scalable deployment.

GeeksforGeeks **Remote**
Content Writer - Intern *Dec 2022 - June 2023*

- Reviewed, debugged, and optimized existing code snippets in published articles to ensure accuracy and efficiency.
- Edited and improved technical content, making it more structured, readable, and up-to-date.
- Improved the code of four previously published articles.

PROJECTS

CRM System Development (Company Project)
Tech Stack: Java 8, Spring Boot, Hibernate, JPA, PostgreSQL, Redis, SendGrid

- Designed and implemented a dynamic entity management system, enabling the creation of entities at runtime based on business requirements.
- Developed a user authentication and management module to ensure secure authentication and authorization.
- Integrated SendGrid API to handle both inbound and outbound email communication, ensuring seamless email tracking and event-based triggers.
- Optimized database interactions using JPA and Hibernate, improving query performance and ensuring efficient data retrieval.
- Designed RESTful APIs to support frontend interactions, enabling smooth data exchange.

Ride Fare Calculation System

- Built a cab booking platform where users enter start and end locations along with the booking time to get an estimated fare.
- Integrated third-party API to fetch real-time distance between locations.
- Enforced a dynamic fare estimation algorithm that multiplies the distance by a base factor, which varies depending on the booking time (e.g., higher rates at night).