GAURAV KUMAR

gauravrmsc@gmail.com

Education

2017 - 2021
B. Tech in Computer Science
Atal Bihari Vajpayee Government Institute of Engineering and Technology
8.23 CGPA

2015 – 2017
XII (Senior Secondary), Science
Rashtriya Military School, Chail
84.8 %

Technical Skills

Programming Languages
Java, C++, C, Python, HTML, CSS, JavaScript

DBMS
MySQL

Frameworks and Tools
Spring Boot, Git, Jenkins

Cloud Platforms
Google Cloud

Certifications

Java Web Developer Nanodegree from Udacity

Interests

Problem Solving using Data Structure and Algorithms

PROJECTS

Find My Restaurant
- Implemented the **Near-By Restaurants search** feature for a food delivery application using the Geo-Hashing technique.
- Used Redis Cache as In-Memory Cache to cache the search results.
- Search time got reduced to 20% of the normal response time for the cached results.

Skills/Tech Stack – Java, Spring Boot, Caching, Geo-Hashing, Serialization and Deserialization of Java Objects.

Stock Portfolio Manager
- Developed a visual stock portfolio analyser web application.
- The application communicates with third-party APIs to collect Stock Quotes and presents user, the annualized and total returns on his purchased stocks.

Skills/Tech Stack - Handling third party Rest APIs, Serialization and Deserialization of Java Objects, Spring Boot, Threads, Interfaces Spring Boot.

Ecommerce API
- Developed Web Back-End for an E-Commerce Application.
- Used JWT based authentication, BCrypt password encoder and Spring Security to secure the app against attacks like CORS attacks and CSRF attacks.
- Built the CI/CD Pipeline to deploy the project on Google Cloud.

Skills/Tech Stack - Spring security, Spring Boot, Google Cloud, Jenkins, Authentication Using JWT.

O2stay selfie challenge
- O2stay is a hospitality firm involved in providing lodging facilities. My application helps the company to host promotional events on its Facebook page.

Skills/Tech Stack – GraphQL, Facebook API Handling, JSP, Servlets.

GCode
- GCode is a web-based text editor. In this project, I have implemented editor features like opening a file, navigation, search/replace, cut/copy/paste, undo/redo. While developing this project, I implemented the same functionality with multiple data structures to understand the effect of design choices on performance

Skills/Tech Stack - Applied DS, Array-List, Naive Search, String manipulation, KMP search, Linked List, Time Complexity

GQuiz
- Developed a Spring Boot based Q&A application. The application can be used to take online tests and quizzes.

Skills/Tech Stack - Object Relational Mapping, RESTful web services, JUnit, MySQL, Spring-Boot.

EXPERIENCE & POSITION OF RESPONSIBILITY

- Student Developer Crio.Do (March 2020 - Present)
- Campus Ambassador EDC IIT Delhi (Aug 2018 – March 2019)
- Intern at Reliance JIO (June 2018 – July 2018)

ACHIEVEMENTS

- 1st Position in Tech. Fest Project Exhibition.
- 4th Position in Hackathon at RGGEC Nagrota.
- 2nd Position in Tech. Fest. Debate Competition.
- Letter of Appreciation from Reliance JIO for exemplary performance in internship.