

Gaurav Kumar

Backend Engineer Intern at CRED

8340466148 | gauravrmisc@gmail.com | [linkedin.com/in/gauravrmisc](https://www.linkedin.com/in/gauravrmisc) | github.com/gauravrmisc | gauravrmisc.github.io

EDUCATION

B.Tech in **Computer Science and Engineering** | CGPA: 8.23

A.B.V.G.I.E.T Pragatinagar

Shimla | 2017 - 2021

INTERNSHIPS, LEARNING EXPERIENCE & POSITION of RESPONSIBILITY

Software Engineer - Backend (Intern) at CRED | Jan 2021-June 2021

- Contributed in optimizing various java microservices **reducing response time by up to 20ms.**
- Proposed and **developed a Unit Testing library to enhance JUnit capabilities** using JUnit 5 Extensions.
- Revamped caching techniques to handle chaos.

Student Developer - Backend Development at CRIO.DO | Mar 2020 - Oct 2020

- Developed projects of varying difficulty to learn concepts of Java, Spring Boot, Linux, SQL, NoSQL, Data Structures and algorithms.

Campus Ambassador, Entrepreneurship Development Cell | IIT Delhi | Aug 2018 - Mar 2019

- Coordinated EDC IIT Delhi to organize virtual guest lectures and summits to encourage and foster entrepreneurial skills and mindset among students.

SKILLS

- Programming Languages : Java, C++, Python, JavaScript
- Libraries & Frameworks : Spring Boot, Dropwizard, JUnit
- Platforms & Tools : Google Cloud Platform, AWS, Jenkins
- Databases : MySQL

PROJECTS

Find My Restaurant

- Used Geo-Hashing technique to implement Restaurant Search feature for a food delivery application.
- Used Redis Cache to cache search results **reducing search time by 80%.**

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

Stock Portfolio Manager

- Developed a Visual Stock Portfolio Analyser web application.
- The application communicates with third-party APIs like Tingo and Alpha Vantage to collect Stock Quotes and presents to the users the annualized and total returns on his purchased stocks.

Skills/Tech Stack - APIs Handling, Java Object Serialization, Spring Boot, Threads, Interfaces.

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.
- 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.

O2 Stay 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.

G-Code

- Developed a web-based text editor.
- Implemented editor features like opening a file, navigation, search/replace, cut/copy/paste, undo/redo.

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

ACHIEVEMENTS

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