

GAURAV KUMAR

+91-8178916280 | gouravkumar2701@gmail.com | [Linkedin](#)

PROFESSIONAL EXPERIENCE

MASSIVE MOBILITY

Backend Developer

Gurugram, Delhi

Nov 2023 – March 2024

- Developed robust APIs and backend services for efficient data exchange within the [Bhamo](#) EV-Vehicle Platform.
- Contributed to the development of the Battery Management System, enhancing battery health monitoring.
- Integrated real-time analytics and reporting features into the BMS for proactive maintenance and minimizing downtime.
- Developed and wrote several APIs for the internal CMS application used to manage all IC charging activities and admin rights.

AI4BHARAT

Backend Developer Intern

Remote

Jan 2023 – June 2023

- Worked on the development of REST APIs for multiple products.
- Worked Closely with technologies like Django, MongoDB, MySQL, Express and React.
- Developed and deployed a scalable web application using Express, MongoDB, and React, resulting in a 40 increase in user engagement and a 25 reduction in server response time.
- Assisted in deploying the product using Kubernetes and containerization techniques for enhanced scalability and reliability.

EDUCATION

Gandhi Institute Of Engineering and Technology

B.Tech. Computer Science and Engineering

Odisha, India

August 2020 – April 2024

- GPA: 9.14
- Relevant Courses:** Data Structures, Design and Analysis of Algorithms, Database Management System, Object Oriented Techniques, Networking.

PROJECTS & OUTSIDE EXPERIENCE

PROSHOP

System Design | Tech Stack - React, NodeJs, Express, MongoDB

Full Stack

March 2023 – Present

- Library- Express JS and React, Security- Json web token, DB-MongoDB, Middlewares- Express validator,
- Users can perform all the operations like, buy a product or add a product to cart or sign up as admin or customer.
- It has the admin panel where the admin can control all functionality like add product, see the status of delivery and also can refund the amount.

BOTTLENECK LOCALIZER

System Design | Tech Stack: Backend- Golang, DB- Postgres(SQL)

Backend

May 2022 – Jan 2023

- Worked with Prof Amir H Gandomi and Prof Kshira Sagar Sahoo to create Bottleneck Localizer, a tool which is used to find the bottleneck in the large scale microservice architecture using Machine Learning.
- Our tool ranks the based three parameters throughput, latency and error-rate.
- It uses the distributed traces to compute the complete execution time of a call after that it uses TOPSIS for calculating the result.

TICKET MAINTENANCE SYSTEM (CRM)

System Design | Tech Stack: Backend- NodeJS DB- MongoDB(NoSQL)

Backend

Dec 2021- March 2022

- Framework-Express JS, Security- Json web token, ORM- Sequelize, Middlewares-Express validator, Testing- Jest.
- Users can raise a ticket to which an Engineer will be assigned by the admin and tickets are closed once resolved.
- It is designed in such a way that it can be plugged with any other application which requires this functionality.

CODING LINKS

LeetCode - [Gaurav2701](#)

GeeksForGeeks - [GauravKumar2701](#)

Coding Ninja - [Gaurav Kumar](#)

SKILLS & INTERESTS

Programming : Python, Java, C++, Javascript, Golang.

Problem Solving: Data Structure and Algorithms.

Web Technology: ReactJs, NodeJs, ExpressJs, REST APIs, Django, NestJs .

Databases : MySQL, MongoDB.

Cloud : Azure, AWS.

Devops : Kubernetes, Docker, Jenkins