VISHAL MAHARATHY

Github   **LeetCode**

+91 7060024883   vishalmaharathy76@gmail.com

EDUCATION

B.TECH(Information Technology)	2020-2024	Delhi Technological University, New Delhi	8.82 CGPA
CBSE (Class XII)	2018-2019	Army Public School-1, Roorkee	93.4 %
CBSE (Class X)	2016-2017	Army Public School-1, Roorkee	91.2 %

WORK-EXPERIENCE

Backend-Developer, Noetic LogistieX, Delhi   June 2023 - July 2023

- Developed backend functionalities, working extensively with **APIs** and leveraging prior knowledge of **JavaScript** to implement solutions and worked on more than 30+ packages using npm.
- Utilized **Winston logger** for efficient **logging** and **error tracking** thus reducing debugging time by 50%.
- Employed the **csv-parser** and **fs** (File System) modules to handle CSV files effectively, was able to efficiently process the CSV data and seamlessly upload it to the database.
- Proposed **MapBox API** to fetch data and create optimized routes for consignors and hubs, made a logic that **reduced the number of API calls by 80%** thus **reducing costs to the firm** and a **better user experience**.
- Planned **Aggregation Pipelines** in **MongoDB** using **MongoDBCompass** making response faster by 70%.

Teaching Assistant, Coding Ninjas, Delhi Certificate   Nov 2021 - Feb 2022
- Assisted in solving doubts and **debugging code** for a diverse group of over 140 students.
- Conducted regular code review sessions to identify and **rectify errors**, improving students' programming skills.
- Facilitated group discussions and **problem-solving** sessions to enhance students' critical thinking and collaborative abilities.
- Acted as a resource person, addressing individual learning needs and adapting teaching methods accordingly.

PROJECTS

- **Socialize** — *Web Based* | *View* | | *Github* | Dec 2021-May 2022
  - Developed "**SOCIALIZE**," a full stack social media project enabling users to connect with friends, post pictures, like posts, and make comments.
  - Successfully implemented a challenging feature of global chat using **WebSockets**, enabling real-time communication between users.
  - Incorporated notifications for users, utilizing WebSockets reducing update time by 90%.
  - Created efficient **APIs** to handle requests from the frontend. Implemented aggregation pipelines in mongoDB to reduce processing time by 80%.
  - Used a tech stack including **HTML**, **CSS**, **JavaScript**, **Node.js**, and **MongoDB** and 20+ modules for efficient development and database management.
- **Expense Tracker** — *Web Based* |*Github*| May 2023-June 2023
  - Made a comprehensive **Expense Tracker** application with various features to help users efficiently manage their finances.
  - Implemented a secure **login and signup system** for users to create and access their accounts.
  - Utilized the **MERN** (MongoDB, Express.js, React, Node.js)stack to build the application along with 10+ modules.
  - Implemented filters to allow users to view their transactions **date-wise** and **category-wise** increasing productivity by 50%
  - Users can create **custom expense categories** unique to their account, this personalization feature allows users to better categorize their expenses.
- **Portfolio** - *Web Based* |*View*| |*Github* | May 2022-May 2022

TECHNICAL SKILLS

- **C++**, **JavaScript**, HTML, CSS, NodeJS, **Python**
- **SQL**(My-SQL), **No-SQL**(MongoDB), **Operating System**, **Object Oriented Programming**.
- Version Control-**Git**, VSCode, API Design-**PostmanAPI**, **MongoDB-Compass**

ACHIEVEMENTS

- **Problem-Solving**: Solved 800+ questions on Data Structures and Algorithms using C++ on platforms like LeetCode and GeeksforGeeks.
- **Academic Excellence**: Received highest marks in 12th-grade Physics.
- **Web-Development Success**: Earned off-campus internship and contributed to website improvement for a client.