JALAJ GUPTA

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Education

The LNM Institute of Information Technology   Jul 2019 – May 2023
B.tech in Computer Science   *GPA : 8.04*

Experience

Zubi Infotech   May 2022 – July 2022
Backend Intern   *Jaipur, Rajasthan*
- Managed, developed, designed, and instituted a dashboard control panel for more than 100 customers and administrators

- Queried MySQL database queries from Flask using Python-MySQL Connector and MySQL DB package to retrieve necessary information for the company, resulting in a 75% retrieval rate.
- Implemented a login module for users,resulting in a 14% increase in the overall departmental process efficiency.

FuturesFirst   Jan 2023– May 2023
Quantitative Research and Algo Intern   *Remote*
- Implemented data structures and algorithms to optimize trading strategies , risk assessment and enhance overall system performance.

- Proficient in Python, utilizing libraries and frameworks for Quantitative analysis on Level3 data

- Managed large datasets,Automated scheduling and execution of tasks on a cluster infrastructure, optimizing resource allocation and workload distribution

Open Source Contributions

Oppia   Sepember 2022
Oppia(Web)   *Remote*
- Actively involved in variety of issues related to backend,frontend and debugging.
- Added checks to the frontend and backend controller to limit the number of questions requested in the question player.
- Changed error message of missing csrf token from 500 to 401,also added backend tests for the changed error status
- Added argument to enable verbose logging while running backend tests.

Projects

ChatLobby | *Python, Flask, ,Socket.io,Testing,MySql* | ○ LINK   August 2021
- Developed A realtime chat application based on flask and socket.io powered by MySql database
- It enables users to login,signup and create or join private chatrooms.
- API supports CRUD database operations,filter based search in database ,unit tests for testing API endpoints.

Library-Management-System | *Java,SQL* | ○ LINK   January 2022
- Implemented using concepts of OOPs in JAVA, supports CRUD operations using MS SQL as database.
- Mainly focuses on operations like searching books,storing information using serialization with all sort of validation control.

Technical Skills

Languages: Python,C++, Java
Databases: MYSQL,SQLAlchemy
Technologies/Frameworks: Pandas/numpy, StreamLit, Flask

Leadership / Extracurricular

- Codechef (4star),</>LINK   Codeforces [Specialist,1489] (max. expert, 1605)</>LINK
- Solved more than 800 problems on Leetcode.</>LINK
- Vice President of the LNMIIT Debate Society ,organised various inter and intra college competitions.
- Certificate of Excellence:Achieved Top 10 percentile in hackathon organized by Consulting Club,IIT Guwahati
- 5 star on Hackerrank C++ track
- Teaching assistant for the Data Structure and Algorithms lab for first year students