

# Alia Verma

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## WORK EXPERIENCE

### MERN Internship (Github Open Source)

Associate Software Developer (Trainee)

Jan-2022 - Jul-2022

- Worked on open source code of expense management system

## SKILLS

- Coding Platforms: Solved 500+ problems on LeetCode, codechef, GeeksforGeeks, visual studio c++ compiler
- Developer Tools: VS code, Codeblocks, Atom, Sublime, Github
- Frameworks: Django, Flask, Nodejs
- Soft Skills: Communication skills, Problem solving, Time management, Leadership, Creativity
- Coursework: Computer Architecture, Data Structure, Algorithm, Graph Theory, operating system, Database
- management, Networking, software engineering, Cryptography and Network security
- Areas of Interest: Backend, Machine Learning

## EDUCATION

### • Prakritik School

• MNNIT Allahabad Btech in Computer Science And Engineering - CGPA: 6.33

2019-2021

- Prakritik School 2019-2021 CBSE, Bihar 56.4%
- Bishop Scott Girls School 2017 CBSE, Bihar 95%

## PROJECT

### Expense Management System

December- 2022

- The Expense Management System, built using the MERN stack (MongoDB, Express.js, React, Node.js), Users can visually track and analyze their transactions, categorizing them as income or expenses.
- The application supports full CRUD (Create, Read, Update, Delete) operations on transactions.

### Load Balancing and Fault Tolerance Algorithm for Cloud Computing

December- 2024

- Python –Tools & technologies used: python, simpy, panda –Developed a load balancing and fault tolerance algorithm for cloud computing using
- Python, SimPy, and CSV files. –Simulated a data center environment to manage cloudlets

### Positions of Responsibility

- PR member Coding Club - MNNIT 2023
- Participation in Avishkaar (android dev) 2023
- Hack36 participation - MNNIT 2022

### Achievements

- 2\* in Code Chef 2022
- Collaborated in Flipkart's grid team on 10+ testing projects to enhance solution efficiency. 2023-2024