Prakhar Uniyal

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY MANDI
Bachelor of Technology
Computer Science and Engineering
August 2018 - Present
CGPA: 8.02/10

COURSEWORK

UNDERGRADUATE
Applied Database Practicum
Comm. of Distributed Processes
Compiler Design
Data Structures and Algorithm
Information and Database Systems
Large Applications Practicum
Machine Learning
Map Reduce and Big Data
Paradigms of Programming
Pattern Recognition
Probability and Statistics
Systems Practicum

SKILLS

PROG. LANGUAGES
- C++
- Python
- Javascript
- Java

WEB TECH
- NodeJS
- Django
- MySQL
- MongoDB
- GraphQL
- React

OTHER TOOLS
- Git
- Bash
- Docker
- Kubernetes

WORK EXPERIENCE

FULL STACK INTERN, COUTURE.AI | Dec 2021 - Jan 2022
Worked on migration and deployment of a JupyterHub service in a Kubernetes environment which was earlier working in a Docker based environment.
Fixed configuration issues which enabled the use of remote spark clusters.

BACKEND INTERN, MIBI SERVICES | Feb 2021 - Apr 2021
Worked as a back-end development intern at MiBi Services.
Helped in designing the data models for the Django based application.
Implemented resolvers for various queries and mutations using GraphQL.

PROJECTS

COLLABORATIVE CODING PLATFORM | Mar'21-May'21
Developed a collaborative coding platform for real time code sharing and text/video communication. Used Docker containers to implement the back-end functionality in order to safeguard the server machine from malicious codes and RCEs.
NodeJS • Docker • Sockets

FAQ CHATBOT | Jan'21
Developed a Telegram Chatbot for getting answers to frequently asked questions of freshers coming to IIT Mandi.Incorporated programming doubts resolution through answers from StackOverflow. Also implemented support for audio queries.
Flask • Dialogflow • Firebase

PART TIME JOB LISTER | Oct-Nov'20
Created a part time job listing web application for the IIT Mandi student community as a part of the Large Applications Practicum course during Fall 2020 along with 3 batchmates.
PHP • MySQL • Apache

CONNECTIONS WEB APPLICATION | Mar-Apr'20
Developed a web application for finding people related to specific clubs, societies and other people within college. This was a learning project to get familiar with GraphQL and understand the advantages of using it over a standard REST API.
GraphQL • NodeJS • MongoDB

POSITION OF RESPONSIBILITY

TEACHING ASSISTANT, IIT MANDI | Aug 2021 - Dec 2021
Conducted assessment of practical lab assignments based on Operating System and Networking fundamentals for the course Communication of Distributed Processes.

CORE MEMBER, PROGRAMMING CLUB | Aug 2019 - Aug 2020
Assisted the team in organizing various programming events and sessions. Conducted two capture the flag competitions. Also helped and guided juniors with their doubts related to competitive programming and web development.

ACHIEVEMENTS AND ACTIVITIES

Ranked 79/3245 in Codechef January 2020 Cook-Off (Div2)
Codechef: 2086(5 star) **Codeforces**: 1711(Expert)
Utkarsh-2019(Intra college techfest) Codefights(1st), Robosoccer(2nd).
JEE Main AIR 5328, Advanced AIR 3644