Prakhar Uniyal

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EDUCATION

INDIAN INSTITUTE OF TECHNOLOGY MANDI
Bachelor of Technology
Computer Science and Engineering
August 2018 - Present
CGPA: 8.21/10

COURSEWORK

UNDERGRADUATE
Applied Database Practicum
Comm. of Distributed Processes
Compiler Design
Computer Organization
Data Structures and Algorithm
DS I - Computing and Data Science
DS II - Probability and Statistics
DS III - Intro to Machine Learning
Information and Database Systems
Large Applications Practicum
Paradigms of Programming
Pattern Recognition
Systems Practicum

SKILLS

PROG. LANGUAGES
C++ • Python
Javascript • PHP

WEB DEV
Express • Django
MySQL • MongoDB
GraphQL • Firebase

MISC. TOOLS
Git • Shell
Docker • LaTEX

INTERESTS

Machine Learning
Computer Networks
Competitive Programming
Entrepreneurship

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.
Node • Docker • Sockets

CHATBOT FOR FRESHERS | 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 from scratch 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 • Node • MongoDB

POSITION OF RESPONSIBILITY

INTERN, MIBI SERVICES | Feb 2021 - Apr 2021
Worked as a back-end development intern at MiBi Services. Helped in designing the database models for the Django based application and implemented various query and mutation resolvers for the same using GraphQL.

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.

TEACHING ASSISTANT, MFOCS | Aug 2020 - Dec 2020
Created solutions for the assignment problems and solved doubts and queries of the enrolled students.

ACHIEVEMENTS AND ACTIVITIES

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