


MAYANK BANSAL

Third Year Undergraduate
Computer Science and Engineering
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EDUCATIONAL QUALIFICATIONS

Indian Institute of Technology, Mandi
B.Tech., Computer Science and Engineering CGPA: 8.13

Himachal Pradesh, India
August 2020 - June 2024

RELEVANT COURSES

Data Structures and Algorithms	Computing and Data Science	Mathematical Foundations of Computer Science
Probability and Statistics	Basic Machine Learning	Introduction to Web Development and Databases

WORK EXPERIENCE

ODE Holdings, Inc

January, 2023 - June, 2023

- Worked as a **Software Development Intern** at ODE Holding Inc.
- Data Awareness - Creation of a quiz system with a graph-like structure in an engaging way to assess and improve individuals' understanding of data-related topics.
- Data privacy - Enabling consumer to fetch their data from social platforms in order for them to have full control over data.
- Aws Managed Blockchain - Datavault creation for consumer data, the user should have an NFT which gives them the ownership to their datavault. Mint NFT (ERC 1155 standard) to the users public wallet address.
- Activities involved - Public blockchain networks : Writing smart contracts for minting NFTs, deployment on test nets, Developing functions to invoke JSON-RPCs.

Vedasis App

December, 2021 - March, 2022

- Worked as a **winter intern** at Vedasis Analytics
- Built Components for the Front-End Part of the Website

SKILLS

- **Programming Languages:** C++, Python, Javascript, Solidity
- **Web Development:** HTML, CSS, MySQL, PHP, Bootstrap, React JS
- **IDEs and Programming Tools:** Spyder, VsCode, Anaconda, Jupyter Notebook, and Google Colab
- **Others:** Git and Github

PROJECTS

Backup utility

https://github.com/Mayank-Bansal24/Backup_utility

C++, Python, Firebase, Meson, Boost

- Developed a tool that provides you with the services you want with all the options for protecting your data.
- Developed the project using C++ that extensively uses the concept of Object Oriented Programming.
- Worked on metadata of any commit through which history of a repository is tracked.
- Worked on connecting the project with remote backup i.e. Firebase.

Wings Website Flight Booking System

<https://github.com/Mayank-Bansal24/wings>

Group Project, PHP, HTML, CSS, MySQL, Bootstrap

- Built a flight Booking Website that takes the required details and books a ticket in a dummy database.
- Learnt PHP and MySQL commands for filtering flights that fulfill the required details.
- Designed the front-end of the Home page and added card-style display for the filtered flights.

Meteor Game

<https://github.com/Mayank-Bansal24/MeteorGame.git>

Python, Pygame, Numpy

- Developed a fun game using pygame that extensively uses the concept of Object Oriented Programming.

AWARDS AND ACHIEVEMENTS

- **Max Rating 1514(Specialist)** Codeforces [Handle Link](#)
- **Max Rating 1809(4 star)** Codechef [Handle Link](#)
- **Rank 176** in ICPC Preliminary Regional Round 2021 Team Name- Accidental derangement September, 2022
- **Global Rank 2534** in Google Kickstart 2022 Round C May, 2022
- **Rank in top 20** among 300 participants in Algo Hack Contest November, 2021
- **Ranked in top 25** in Winter Marathon Challenge: January, 2022
- **Global Rank 121** in July Cook-Off 2022 Division 2 Codechef Contest: July, 2022
- **Rank 1040** among 9661 participants Codeforces Contest May, 2022

POSITIONS OF RESPONSIBILITY

- **Sponsorship Team**, Volunteer for the first ever Tech-fest of IIT Mandi **Xpecto'22**
- **Teaching Assistant** for course Large Application Practicum