


DISHTI OBERAI

Third Year Undergraduate
Computer Science Engineering
Indian Institute of Technology, Mandi

dishtioberai@gmail.com ✉
[dishti-oberai](#) 
[Dishti-Oberai](#) 
[Dishti Oberai](#) 
8130091185 

EDUCATIONAL QUALIFICATIONS

Indian Institute of Technology, Mandi, Himachal Pradesh, India

August 2020 - June 2024

B.Tech, Computer Science Engineering,

CGPA: 8.52/10.00

Relevant Courses: Information and Database Systems, Data Structures and Algorithms, Computer Organization, Data Science-I, II and III, Probability and Statistics.

Ryan International School, Sector-25 Rohini, Delhi, India

April 2006 - March 2020

CBSE Board, Class - XII: 95%

April 2019 - March 2020

CBSE Board, Class - X: 92.8%

April 2017 - March 2018

Felicitated with 5 merit certificates for scoring more than 91% marks for 5 consecutive academic years and honored with prizes for academic excellence April 2013 - March 2018

SKILLS

- **Programming Languages:** C++, Python (including Urwid)
- **Web Development:** HTML, CSS, MySQL, phpMyAdmin
- **Others:** GitHub, PyCharm, Visual Studio Code.
- **Soft Skills:** Time management, Team Work, Leadership skills.

PROJECTS

FIT-GAME : A gamified fitness enhancer

<https://github.com/Debug-Dreams/FIT-GAME>

Tech stacks used: Python, Machine Learning, Node JS, HTML, CSS.

November, 2021

Specialty: Team project done under able guidance of Dr. Arnav Bhavsar and Dr. Varun Dutt (Faculties in School of Computing and Electrical Engineering at IIT Mandi),

Secured a place amongst top 10 projects at the 6th ACMW National hackathon amongst more than 100 participating projects.

- Trained **ML Model using Midea Pipe** to check the correctness and timings of Yoga poses being performed by the user and approve the same.
- Created a **voice bot** to guide the user to perform yoga poses and play the games. Also wrote code to display **visuals** of poses to guide users.
- Embedded endless runner games to let user play after successful completion of yoga [required real life movement of user for their avatar to imitate the actions on screen and pass the hurdles] – Accomplished by other team mates
- All evaluations performed on **real time video** feed and ML model gave **>95% accuracy**.

MEET-WORLD : A virtual event organizer platform

<https://github.com/return-to-code>

Tech stacks used: HTML, CSS, PHP My Admin, JavaScript

May, 2021

Specialty: Team project made for FrostHack (An inter-college level hackathon open to all), Ranked amongst top 15 projects amongst more than 120 participating projects.

- Created database to store room names and IDs and name of user [So that same room id leads to same platform]
- Embedded feature to live chat, collaborate on whiteboard, code together and play games.
- Fetched list of online participants from database and displayed on lounge room.
- Wrote and implemented code for launching video-call and leading participants of same table to same video-call.

WINGS : An online flight booking system

<https://github.com/Dishti-Oberai/Wings>

Tech stacks used: HTML, CSS, PHP My Admin, JavaScript, My SQL.

November, 2021

Specialty: Team project which scored the highest amongst all submitted projects

- Developed a login and signup system for user to enter the system.
- Coded a dashboard to let users enter flight specifications and sort the flights from database on the basis of same.
- Programmed the system to display the sorted flights to user and send confirmation mail after user books a flight out of those (reducing available flight count from database by number of flights booked)

OPEN-SOURCE CONTRIBUTIONS

- **Contributed to the codebase of Zulip Terminal:** December 2021-May 2022
Coded to enable gruvbox light theme for the terminal [#T1133]
Updated documentation to include the 16 color codes equivalent for the 256 depth color codes [#T1154]
Wrote the code for automatic updation of version of Black (python library) in virtual environment [#T1150]
- **Contributed to development of IIT Mandi student website:** October, 2021
Collaborated with the team of selected web developers of the institute to work on the project. Created the page for Dean Student's message.

ACHIEVEMENTS

[\[Link to the certificates\]](#)

- **Ranked among the Top 10 teams in 6th National ACMW Hackathon:** November, 2021
Among more than 100 participating teams in a women's Hackathon organized at the national level by successfully clearing all evaluation rounds
- **Ranked among the Top 15 teams in FrostHack 2021:** May, 2021
Among 120 participating teams in an Open Hackathon organized at the inter-college level.
- **Secured second position in hand gesture recognition and automation competition:** October, 2021
- **Developed a project portal for the IIT Mandi faculties and student community :** [https://ugac-project-portal.herokuapp.com/] December, 2021 – March, 2022
Led the team of competent web-developers and brought into being a platform to float and enroll in institute building or other projects.
- **Won the second prize in Hack36:** May, 2021
Open Hackathon organized at the intra-college level.
- **Secured fourth position in FrostHack 2022:** May, 2022
Open Hackathon organized by IIT Mandi at the inter-college level.
- **Ranked amongst top 100 participants of AWS Deepracer league** April, 2021

POSITIONS OF RESPONSIBILITY

- **Academic Council representative of CSE 2020 Batch,** UG Academic Council IIT Mandi 2021-Present
Shouldered the responsibility of raising important concerns and proposing suggestions in the council, along with ensuring smooth information dissemination to CSE students. Also, proposed ideas such as project portal and volunteered in working on them. Member of social media team.
- **UG Females representative,** Women Cell IIT Mandi 2021-Present