DISHTI OBERAI

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

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EDUCATIONAL QUALIFICATIONS

Indian Institute of Technology, Mandi, Himachal Pradesh, India   *August 2020 - June 2024*
B.Tech, Computer Science Engineering,
CGPA: 8.60/10.00

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 Django and Urwid), ML(Basic)
- **Web Development**: HTML, CSS, MySQL, JavaScript, PHP My Admin
- **Soft Skills**: Time management, Team Work, Leadership skills.
- **Others**: GitHub, PyCharm

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

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.
- Coded and 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]
- 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]
- Enabled 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)

ACHIEVEMENTS AND VALUABLE CONTRIBUTIONS

- **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**:   *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*
  Won a cash prize for the same
- **Successfully cleared Hacktoberfest Challenge**:   *October, 2021*
  Contributed in open source and got 4 PRs successfully merged within a month
- **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.
- **Developed a project portal for the IIT Mandi faculties and student community** :   *December, 2021 – March, 2022*
  Lead the team of competent web-developers and brought into being a platform to float and enroll in institute building or other projects.

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*
  Raised concerns of female students in the committee.