

Murtaza Mehdi Hasan

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IIT Mandi, B. Tech Computer Science, CGPA: 8.1

Experience

Convenor AstraX'22

Nov 2021 - June 2022

The Astronomy Fest of IIT Mandi

- Led a team of 65 people to organize, plan, publicize and successfully conduct the fest.
- We doubled the participation compared to the previous edition with over 1700+ people joining in.

Student Intern

Jan 2022 – Mar 2022

At IIT Mandi Catalyst-The Technology Business Incubator

- Managed and scheduled checkpoint meetings between mentors and startups.
- Worked with team to increase networking of Catalyst with various seed investors and venture capitalists.

Career and Placement Cell Team Member

May 2022 – Present

Working with the Placement Cell of IIT Mandi

- Using communication and management skills for handling various companies for placement season.

Projects

Anubhav Fellowship, IIT Mandi iHub, and HCL foundation

- Part of the team in the CAIR DRDO Project.
- Created a virtual environment using Unity3D to evaluate Human learning v/s Reinforcement learning (PPO and SAC algorithms).

AI for Playing Tower Defence Game

- Created a game with PyGame with a team of 6 batchmates.
- Developed AI using Genetic Algorithm for playing the game.

Case Study on Blue Yonder's Sustainable Supply Chain Problem^[1]

- Did research through various sources and interviews with various stakeholders in the industry including Bhavesh Manglani, Co-Founder of Delhivery.
- Identified Problems and pain points across the chain and suggested solutions to decrease carbon emissions by 65%.
- Optimized UI of websites for Eco-friendly delivery using Figma and looked towards technology like automatic warehousing and explored options like drone delivery

Hardware: text to google document and Audio Converter

- Designed and produced a working prototype of hardware, OCR-based text-to-voice, and google document generator.
- Made during Design Practicum, using a Budget of 7000 INR.

Product-related case studies and projects in this folder: [Click here](#)

Skills and Courses

- **Relevant Courses:** Essential of Entrepreneurship, Business Communication, Data Science I, II, III, Financial management, Applied Database
- Practicum, Design Practicum, Reverse Engineering, **PM101**
- **Tools and Languages:** Python, C++, MySQL, MS Excel, Figma, Wireframing, Jira

Activities and Certification

- **Coordinator of E-Cell**, IIT Mandi (Aug 2021-Present)
- **Product Management** "Doremon Den" Bootcamp Certification
 - Concept of **bucketing** and understanding of metrics such as **AAARRR** and **AAAERRR**
 - User journey, persona, prioritizing frameworks, root cause analysis
- Core Team Member Space Technology and Astronomy Cell, IIT Mandi (Aug 2021-Present)
- Student Volunteer, The Society of Debaters (TSOD), IIT Mandi.
- Volunteer at **Himalayan Startup Trek** 2021 and 2022. Met with **60+ Startups** and **40 industry experts**
- **Zonal Topper** Mimamsa, IISER Pune, National Level Science Quiz (June 2021)
- Certificate of **AI training** completion by Innovidu
- 2nd place in home automation competition, Utkarsh'21, IIT Mandi
- **Microsoft Technical Assistant (MTA)** Certification in Python