



# Abhinav Swami

Roll No.: B22AI003

Artificial Intelligence and Data Science  
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Github

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## Academic Qualifications

Year	Degree/Certificate	Institute	CPI/%
2022 - Present	B.Tech	Indian Institute of Technology, Jodhpur	7.31/10
2022	CBSE(XII)	Prince Eduhub, Sikar	96%
2020	CBSE(X)	BBIS, Sujangarh	97.4%

## Experiences

### • M.Tech Shortlisting Portal

(Aug'23- December'23)

#### Project Assistant

- Worked on the front end of the portal under the guidance of **Professor Arpit Khandelwal**, to solve the problem of shortlisting the **M.Tech applications** of the college.
- Initially created an easy to use and informative **UI** of the website on **Figma** and further worked on its implementation.
- Used **HTML**, **CSS**, **VUE JS** for the front end and integrated various features after careful planning and discussions
- The portal has features like **admin and user login window**, **several shortlisting options**, **different criterias**, **downloadable excel sheet** and many more.

## Key Projects

### • Taxi Booking Software

(Nov'23- Dec'23)

#### Mentor: Prof.Gaurav Harit, [GitHub](#)

- Developed a software using **only DSA** with features both for the customer and administrator. **Binary Search Tree and vector** are the main data structures used to make the software more **Accurate** and **efficient**. The main features included in the software are **booking**, **viewing** and **admin control** of the trips of all allotted vehicles
- The trips file is to be provided and then software is ready to use with storing the **trips**, **passengers** and **vehicle details**. Applied **OOPs** for a readable and efficient Code.

### • Face Recognition System

(Mar'24- May'24)

#### Mentor: Prof.Anand Mishra, Project Page [WebDemo](#) [GitHub](#)

- Developed a website to implement **facial recognition** using the **LFW dataset** and preprocessed the **deep funneled** images data. Developed the Web Demo with **StreamLit**
- Applied different models namely **SVM**, **Linear Regression**, **KNN**, **PCA** and made a Research Paper displaying the findings.

### • Chatroom With File Sharing

(April'24-May'24)

#### Mentor: Prof.Sumit Kalra, [GitHub](#)

- Developed a pc software using **Web Sockets** in python with a **multiple clients** handling server. Used **OOPs**, **Web Sockets**, and **database** in the Program and it is ready for deployment.
- Multiple people can join in the group chat and **send texts**, **emojis** and **files** in **real time**. User can **download** the chat at anytime. Applied **encryption** for safe and secure transfer of data.

## Skills

- Data Analysis:** SQL, Pandas, Scikit-Learn, Numpy, Streamlit
- Programming Languages:** Proficient (C, C++, Python), Familiar (Bash Script, RISC-V Assembly Language)
- Development:** HTML, CSS, JS, FIGMA, SQL, Tkinter
- Soft Skills:** Leadership, Analytical and Strategic thinking, Problem-Solving, Reasoning
- Extra Curricular:** Graphic Designing, User Interface, Photoshop, Illustrator, Multiple Sports

## Positions Of Responsibility

### • CGC Coordinator, Placement Cell

(AY 2024-Present)

### • Joint Secretery, Designrds

(AY 2023-2024)

### • Assistant Head-Informals, Prometeo'24

(AY 2023-2024)

### • Assistant Head Digital Marketing, Ignus'24

(AY 2023-2024)

## Relevant Courses

Data Structure and Algorithms  
Pattern Recognition Machine Learning  
Probability and Statistics  
Introduction to Electrical Engineering

Operating Systems and Networking  
Computer Architecture  
Human Machine Interaction  
Quantum Computing