

Yash Mehrotra

yashmehrotra45@gmail.com | [github/redxdager](https://github.com/redxdager) | [linkedin/yash-mehrotra-iit](https://www.linkedin.com/in/yash-mehrotra-iit/) | [ifyash.vercel.app](https://if-yash.vercel.app)

Education

Indian Institute of Technology Madras

09/2023 – Present

Bachelor of Science, *Data Science and Applications*

St. James School , Hardoi

04/2009 – 03/2023

Intermediate , *PCM (CS)*

Projects

Chat Application Developer [Project Link](#)

03/2024 – Present

ChatWallah

- Created a real-time chat application using **Flask** and **Socket.IO** for seamless user communication in random rooms
- Integrated **Socket.IO** to ensure efficient real-time messaging between users
- Developed a backend server with **Flask** , **Python** and **sqlite** to manage chat rooms and user sessions

Data Analysis [Project Link](#)

05/2024 – 06/2024

Zomato Data Analysis

- Analyzed Zomato data using **Pandas** and **Matplotlib** to identify trends and patterns in the food industry
- Visualized data using **Matplotlib** and **Seaborn** to provide insights into the food delivery market
- Created a detailed report with actionable recommendations for Zomato based on data analysis results

Developed a facial expression recognition system [Project Link](#)

06/2024 – 07/2024

Facial Expression Recognition

- Developed a facial expression recognition system using **YOLOv5** to detect seven emotional states: **angry**, **disgust**, **fear**, **happy**, **neutral**, **sad**, and **surprise**
- Implemented real-time emotion detection capabilities, achieving high accuracy in various lighting conditions and facial orientations

Position of Responsibility

Google Developer Student Club - Indian Institute of Technology, Madras

01/2023 – Present

Linux Community Lead

- Became one of the founding volunteers for GDSC IITM's Linux division
- Hosted tech talk : [Switching to Linux](#) ,[Versioning Visions: Git](#) , [Github and Beyond](#)
- Leading a community of 400+ in system commands, troubleshooting and OS related problems

Achievements

Smart India Hackathon

10/2023 – 12/2023

- Finalist of Smart India Hackathon
- Developed a translation web app that converts English text to various Indian regional languages
- Optimized the entire codebase to improve performance and ensure smoother operation

Skills

- **Programming Languages:** Python , JavaScript , TypeScript , C++
- **Web-Dev Frameworks/Tools:** React.js , Flask , Next.js , Node.js ,FastAPI
- **Databases:** MongoDB , SQLite , MySQL
- **ML/DL:** NumPy , Pandas , Matplotlib , Seaborn , Scikit-learn
- **Automation:** Docker , Bash , Git , GitHub