Yash Mehrotra

yashmehrotra45@gmail.com | github/redxdager| linkedin/yash-mehrotraiit | ifyash.vercel.app

About

Yash embodies a strong sense of commitment and drive, with a profound passion for web development, quant programming, machine learning, and contributing to technical content and community initiatives.

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

ChatWallah Project Link   03/2024 – Present

- 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

Zomato-Data-Analysis Project Link   05/2024 – 06/2024

- 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

Face-Expression-Recognition Project Link   06/2024 – 07/2024

- 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
- Optimized the model for efficient performance, enabling quick and accurate emotion classification on diverse facial images

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 380+ 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 , Express.js , Socket.IO
- **Databases**: MongoDB , SQLite , MySQL
- **ML/DL**: NumPy , Pandas , Matplotlib , Seaborn , Scikit-learn , OpenCV , YOLOv5
- **Automation**: Docker , Bash , Git , GitHub