

Yash Mehrotra

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Education

Indian Institute of Technology Madras Bachelor of Science, <i>Data Science and Applications</i>	09/2023 – Present
St. James School , Hardoi Intermediate , <i>PCM (CS)</i>	04/2009 – 03/2023

Projects

Chat Application Developer Project Link <i>ChatWallah</i>	03/2024 – Present
<ul style="list-style-type: none">Created a real-time chat application using Flask and Socket.IO for seamless user communication in random roomsIntegrated Socket.IO to ensure efficient real-time messaging between usersDeveloped a backend server with Flask , Python and sqlite to manage chat rooms and user sessions	
Data Analysis Project Link <i>Zomato Data Analysis</i>	05/2024 – 06/2024
<ul style="list-style-type: none">Analyzed Zomato data using Pandas and Matplotlib to identify trends and patterns in the food industryVisualized data using Matplotlib and Seaborn to provide insights into the food delivery marketCreated a detailed report with actionable recommendations for Zomato based on data analysis results	
Developed a facial expression recognition system Project Link <i>Facial Expression Recognition</i>	06/2024 – 07/2024
<ul style="list-style-type: none">Developed a facial expression recognition system using YOLOv5 to detect seven emotional states: angry, disgust, fear, happy, neutral, sad, and surpriseImplemented real-time emotion detection capabilities, achieving high accuracy in various lighting conditions and facial orientationsOptimized 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 <i>Linux Community Lead</i>	01/2023 – Present
<ul style="list-style-type: none">Became one of the founding volunteers for GDSC IITM's Linux divisionHosted tech talk : Switching to Linux ,Versioning Visions: Git , Github and BeyondLeading a community of 380+ in system commands, troubleshooting and OS related problems	

Achievements

Smart India Hackathon	10/2023 – 12/2023
<ul style="list-style-type: none">Finalist of Smart India HackathonDeveloped a translation web app that converts English text to various Indian regional languagesOptimized 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