

DIVYANSH CHAUDHARY

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Education

VIT Bhopal University

Oct 2022 – Present

- B.Tech in Computer Science and Engineering | CGPA: 9.22

Delhi Public School Agra UP (CBSE)

Jul 2022

- Class XII | Percentage: 87.6%

St. George's College Agra UP (ICSE)

Jul 2020

- Class X | Percentage: 91.0%

Technical Skills

Programming Languages: Java, Python, SQL, HTML, CSS, JavaScript

Analytics & ML: Machine Learning, Predictive Modeling, Keras, TensorFlow, Scikit-learn, OpenCV, YOLO, Matplotlib

Databases: MySQL, Database Design

Tools & Platforms: Git, GitHub, Android Studio, Jupyter Notebook, Google Colab

Technical Projects

MindTunes : An Advanced Cognitive Behavioral Therapy Model | Machine Learning

Aug 2024 - Apr 2025

- Developed a ML model that evaluates a student's mental well-being based on lifestyle and behavior data.
- To help students with insights into their psychological state and how daily habits impact sleep, academics, and social life.
- Aimed to offer actionable feedback for improved mental health management.
- **Tech Stack:** Python, Ensemble Learning (Bagging), Scikit-learn, Matplotlib

Detecto : Real-Time Object Detection System | Machine Learning

Jan 2024 - Mar 2024

- Created a real-time object detection system for recognizing and labeling everyday items via camera feed.
- Built a foundational computer vision tool with potential applications in surveillance, automation, and accessibility.
- Demonstrated proficiency in real-time image processing and deep learning model deployment.
- **Tech Stack:** Python, YOLO, OpenCV, TensorFlow

MoodTunes: Emotion-Based Music Recommendation Engine | Machine Learning

Aug 2023 – Oct 2023

- Developed a facial emotion recognition model using CNN in TensorFlow and OpenCV.
- Integrated the model with a music recommendation engine using Spotify to generate mood-based playlists.
- Achieved real-time emotion prediction latency on webcam input.
- **Tech Stack:** Python, CNN, Keras, OpenCV, TensorFlow

Achievements

- **Marketing Analytics – NPTEL (Silver Medalist)** – Top 5% of 1544 with analytics and strategy proficiency.
- **Cloud Computing – NPTEL (Silver Medalist)** – Top 5% of 23872 with cloud infrastructure expertise.

Extracurricular Activities

Joint Secretary | PI Mathematics Association | VIT Bhopal University

2024 – 2025

- Led the PI Mathematics Association, organizing workshops, mentoring peers, and teaching core concepts to enhance mathematical thinking across 10+ events.