

# Pranav Chinnawar

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[in](#) LinkedIn [GitHub](#)

## Summary

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Aspiring Full-Stack Developer and Machine Learning Enthusiast with strong fundamentals in Data Structures, OOP, and Web Development. Skilled in Python, Flask, OpenCV, and version control with Git. Proficient in building RESTful APIs and automating tasks using scripting. Enthusiastic about learning new technologies, working in Agile environments, and solving real-world problems through innovation and collaboration.

## Technical Skills

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**Languages:** Python, Java (Beginner), HTML, CSS, Bash

**Libraries:** OpenCV, face-recognition, NumPy

**Tools:** VS Code, GitHub

**Database:** MySQL

**Concepts:** Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Machine Learning

## Professional Skills

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Team Collaboration, Problem Solving, Visual Design

## Projects

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- **Tree Detection and Count using Computer Vision** May 2025 – Jul 2025
  - Developed an ML pipeline to detect and count trees from aerial/satellite images.
  - Implemented YOLOv5 for object detection and OpenCV for image processing and annotation.
  - Processed over 800 image samples with bounding box visualization for insights.
  - *Technologies: Python, YOLOv5, OpenCV, Pandas*
- **Face Recognition-Based Attendance System** Feb 2025 – Apr 2025
  - Built a web-based face recognition attendance system using Flask and OpenCV.
  - Automated attendance logging into CSV and integrated email alerts to parents using SMTP.
  - Designed admin dashboards for teachers and principals with secure login.
  - Captured and processed face embeddings in real time using the **face-recognition** library.
  - *Technologies: Python, OpenCV, face-recognition, Flask, HTML, CSS, Git*

## Education

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**B.Tech in Computer Science and Engineering**, VIT Bhopal University

CGPA: 8.21

Expected Graduation: 2027

**Class XII (TSBIE)**

2023

Score: 94%

**Class X (CBSE)**

2021

Score: 83%

## Certifications & Awards

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[GenAI Powered Data Analytics Job Simulation – Forage](#)

Jul 2025

## Hobbies & Interests

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Sudoku, Building Web Apps, Learning New Technologies