Divya Patel

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EDUCATION

Integrated M.Tech in (CSE), Vellore Institute of Technology Bhopal (Nov 2022 - Ongoing) CGPA: **8.57/10.00**
12th Standard, The Palladian House MPBSE 81%
10th Standard, The Palladian House MPBSE 94.6%

PROJECTS

Plant Disease Detection
- Built a machine learning model to detect and classify plant diseases from leaf images using processing and CNNs, aiding farmers in early detection and crop protection.
- **Team Project:** Lead the team and was primarily responsible for training and optimizing the ML model.
- **Technology:** Python, Tensorflow, kera, OpenCV, Machine Learning, HTML, CSS

FaceTruth: Deepfake image detection system
- Developed a deep learning-based system to detect deepfake images by analyzing facial inconsistencies and manipulation artifacts, strengthening digital media authenticity.
- **Technology:** Python, CNN, OpenCV, PyTorch, JavaScript, HTML, CSS

Virtual Chemistry Lab: AI-Integrated Science Simulation
- Built an interactive virtual chemistry lab for class 9-12 with AI-based experiment suggestions, drag-and-drop simulation, and personalized dashboards.
- **Technology:** Python, Flask, Scikit-learn, SQLite, LLM, Mistral-7b-instruct, PyTorch, JavaScript, HTML, CSS

ACHIEVEMENTS AND CO-CURRICULAR

- Awarded by Prestigious **Reliance Foundation Scholarship.**
- **Codeverse Hackathon Top 50 Finalist (Team Lead) (2025):** Selected among the top 50 teams out of 250+ in a hackathon Organized by Metaverse Club, VIT Bhopal for the final round.
- **Team Lead,** Plant Disease Detection System - led development, model training, and deployment.

EXTRACURRICULAR

- Participated in multiple college tech fests, presenting projects and attending workshops on AI/ML and robotics.

SKILLS

Technical skills: Python, Java, DSA (java), MySQL, CSS, HTML, Javascript, Flask, Machine Learning, OpenCV, Tensorflow, Keras, AWS Console (Basic), Git & Github

Languages: English, Hindi

CERTIFICATIONS

- Codeverse Hackathon Participation Certificate — **July 2025**
- MATLAB Onramp certifies, Mathworks — **Oct 2022**
- Applied Machine Learning in Python, Coursera — **Dec 2023**