

Agam Katiyar

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EDUCATION

B.Tech CSE(AI & ML)

Sep 2023 - July 2027

GPA: 8.35/10

VIT BHOPAL UNIVERSITY

CORE TECHNICAL SKILLS

- | | | |
|--------------|------------------------------|----------------------------------|
| • Java | • Data Structure & Algorithm | • React |
| • MongoDB | • MYSQL | • Artificial Intelligence(Basic) |
| • HTML | • Machine Learning(Basic) | |
| • CSS | • Git (Basic) | |
| • JavaScript | • REST API's (Basic) | |

PROJECTS

H-GestureControl- Laptop Control Using Hand Gestures

- Built a system that lets users control their laptop using hand gestures detected through the webcam, without needing a mouse or keyboard for basic tasks. The main goal was to create a more accessible and hands-free way to interact with a laptop.
- **Features:** Detects hand movements in real time, supports gesture-based actions like moving the cursor, adjusting volume, and switching windows. The system doesn't need any external hardware – just a built-in webcam.
- **Tech Stack:** Python, OpenCV, MediaPipe for hand detection, and PyAutoGUI for linking gestures to system actions.

AI-based Deepfake Detection Website

- Developed a web app that accepts video uploads and returns deepfake probability scores. Utilized transfer learning on Xception Net by replacing the base classification layer with a custom layer.
- **Technologies Used:** Python, Flask, TensorFlow, OpenCV, HTML/CSS, JavaScript.

EXTRA-CURRICULAR AND ACHIEVEMENTS

Integration for AI/GenAI Hackathon 2025– Participant

- Proposed an AI-powered solution for deepfake video detection, leveraging machine learning and deep learning techniques to identify manipulated media.

100+ questions on Leet Code and GFG

[Leet code](#) [GFG](#)

CERTIFICATIONS

- **Data Engineering Foundation Certificate-Informatica**
- **Applied Machine Learning in Python – University of Michigan(Coursera)**
- **Fundamentals of AI and ML- Vityarthi**