

Patel Deepkumar Bhadreshkumar

Information Technology Student | Software Developer | Front-End Developer | Machine Learning Enthusiast

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Objective

A highly motivated and detail-oriented IT student seeking opportunities to apply technical skills in software development and contribute to impactful projects while gaining practical industry experience.

Education

B.Tech in Information Technology

ITM (SLS) University, Vadodara

June 2023 - May 2026 | Current SPI: 6.96

Technical Skills

- Programming Languages: Python, Java
- Web Development: HTML, CSS, JavaScript, React, PHP
- Database / Back-End: Node.js, MySQL
- Mobile App Development: Android, Flutter
- Libraries & Frameworks: OpenCV
- Other Skills: Machine Learning, Communication, Teamwork

Projects

Face Tracking & Mood Detection System

Developed a real-time facial tracking and emotion recognition system using OpenCV and DeepFace. The application captures video from a webcam, detects faces, tracks movement, and analyzes facial expressions to display the user's dominant mood.

Technologies Used: Python, OpenCV, DeepFace

Hand Gesture Recognition System

Created a computer vision application that uses a webcam to detect and classify hand gestures in real time using MediaPipe. The system recognizes gestures like 'Thumbs Up' and 'OK' by calculating distances

between hand landmarks.

Technologies Used: Python, OpenCV, MediaPipe

Assistive Hand Gesture Recognition for Communication Support

Designed a vision-based application that recognizes hand gestures to assist individuals with communication impairments. The system translates specific gestures into readable text or visual cues, aiming to enhance accessibility and interaction for users with special needs.

Technologies Used: Python, OpenCV, MediaPipe

Languages

- Hindi
- English
- Gujarati