

# Anshul Patel

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## EXPERIENCE

### AICTE INTERNSHIP ON AI WITH TECHSAKSHAM (MICROSOFT & SAP INITIATIVE) | AI INTERN

Dec 2024 -- Jan 2025 | Remote

- Developed a Gesture-Controlled Mood-Based Music Player using DeepFace, MediaPipe, and OpenCV to detect emotions and hand gestures.
- Built an interactive AI-powered music recommendation system with Streamlit, playing songs based on mood detection.
- [View Certificate](#)

## PROJECTS

### NEURALAGRI: AI-POWERED AGRICULTURAL ADVISORY SYSTEM | FULL STACK

March 2025 | Hackathon Project

- Built a cross-platform farming assistant integrating ML models for yield prediction, disease detection, and crop recommendations.
- Used React, Flask, TensorFlow, PyTorch, and Google Earth Engine for real-time satellite insights and soil moisture estimation.
- Included a Hindi-supported chatbot to improve accessibility for small and marginal farmers.

### MOOD AND GESTURE ACTIVATED SMART MUSIC SYSTEM | PYTHON

January 2025 | Independent Project

- Developed an AI music player detecting facial emotions and gestures for playback control using DeepFace, MediaPipe, and OpenCV.
- Integrated Streamlit for an interactive UI with real-time webcam-based emotion detection.
- Automatically plays songs based on detected moods (happy, sad, angry).

### LIBRARY MANAGEMENT SYSTEM | JAVA

October 2024 | Academic Project

- Developed a Java-based system using Binary Search Tree (BST) to manage library operations.
- Supported operations to add, search, delete, and display books based on ISBN and title.

## EDUCATION

### INSTITUTE OF TECHNOLOGY, NIRMA UNIVERSITY

BACHELOR OF TECHNOLOGY IN  
COMPUTER SCIENCE ENGINEERING  
Ahmedabad, India

CGPA (as of Jan. 2025): 8.50

### PUROHIT SCIENCE SCHOOL

HIGHER SECONDARY (XII) -- GHSEB  
May 2023 | Gujarat, India  
Percentage: 74.2%

## SKILLS

**Programming:** Java | Python | JavaScript  
**Web Dev:** HTML | CSS | Node.js | Express.js  
**Frameworks:** Flask | React  
**Databases:** MySQL | MongoDB  
**Other:** OOP | DSA | Git | GitHub

## ACHIEVEMENTS

Codeforces Round 987 – Rank: 7662  
(Div. 2)  
Codeforces Max Rating: 966 (Newbie)

## LINKS

**GitHub:** anshul755  
**LinkedIn:** Anshul Patel  
**LeetCode:** Anshul Patel  
**Codeforces:** anshul755