Rohan Patil *M.Tech*

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OBJECTIVE

An enthusiastic CSE student seeking a challenging position in a dynamic organization to apply my technological expertise and technical knowledge. I am to contribute to organizational growth while advancing my own career through continuous learning and professional development.

EDUCATION

Walchand College of Engineering, Sangli   June 2025
MTech in Computer Science and Engineering
- CGPA: 8.05/10.0

Rajarambapu Institute of Technology, Islampur   June 2023
BTech in Computer Science and Information Technology
- CGPA: 7.20/10.0

PROJECTS

Human Behavior Analytics Using Surveillance System, Mtech Thesis   August 2024 - June 2025 🌐
- *Technologies: Python, Deep Learning, OpenCV, Flask, React.*
- Developed an AI-driven system leveraging CCTV footage to analyze human behavior patterns.
- Implemented a YOLOv11-based deep learning model for accurate, real-time person detection in CCTV footage. Integrated CNN-based facial expression recognition, achieving 93% accuracy in real-time emotion detection.
- Designed a Flask-based analytics pipeline to track and summarize emotional trends over time. Enabled automated export of emotion data in CSV format for daily, weekly, and monthly analysis.
- Built a responsive, interactive dashboard using React to visualize behavioral insights and analytics.

Sign Language Recognition System (Python Framework)   Jan. 2024 - June 2024 🌐
- *Technologies: Python, Deep Learning.*
- Created an American sign language system for deaf and dumb people using CNN and MediaPipe

Agro Nation (Blockchain-Web Application), Capstone Project   March 2022 - Jan. 2023 🌐
- *Technologies: Blockchain, React, Solidity, MetaMask.*
- Implemented a web application that maintains supply chain of crops using blockchain technology.
- It facilitates the services to farmers for maintaining the distribution of crops.

Agri Info (Android Application)   Feb. 2022 - June 2022 🌐
- *Technologies: Android Studio, Java.*
- Developed an automated system to validate and verify the farm data and generate the required information to work in the field.
- The android application provides the correct and useful information that will help them to maximize their crop production.

INTERNSHIPS

Android Developer Intern, *Technolite Info Solutions – Pune, India*   January 2023 – June 2023
- Technologies – Android Studio, Java, Firebase.
- Managed android projects implementing key functionalities and deploying time-critical client requests.
- Performed extensive manual testing for app versions.

Python Developer Intern, *Global Engineering Deans Council – India Chapter*   June 2021 – August 2021
- Technologies – Python, Jupyter, R, Machine Learning, Deep Learning.
- Managed machine learning and deep learning projects implementing key functionalities.
- Designed and implemented a image detection model using a Convolutional Neural Network.

CERTIFICATES

Python Course by Google, Coursera   ↱

Complete Android Course - Java, Udemy   ↱

Blockchain Basics, Coursera   ↱

SKILLS

Programming Languages: Java, Python, JavaScript, C++, Flask, Django, Spring, Spring Boot.

Tools / Technologies: Android Studio, Machine Learning, Artificial Integilance, React, Google Colab, Google Play, GitHub.

Database System: Blockchain Technology, PL/SQL, Firebase.

Interpersonal Skills: Problem Solving, Teamwork, Leadership, Communication, Time Management.