MANISH KAKULDE

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Education:

B.Tech 2026 *(Pursuing).*   **North Maharashtra University**
G H Raisoni Institute of Engineering and Business Management, Jalgaon

HSC 2022   **North Maharashtra Board**
Jaihind Educational Trust's Zulal Bhilajirao Patil College, Jaihind Senior College Dhule.

SSC 2020   **North Maharashtra Board**
Raje Chhatrapati Sambhaji Vidyalaya, Dhule.

SUMMARY:

B.Tech CSE (AIML) student, Class of 2026 — hands-on experience building production-oriented computer-vision and AI web apps. Strong in Python, OpenCV, YOLO, FastAPI and full-stack development (React/Next.js). Built end-to-end ML pipelines, real-time inference, and user-facing dashboards. Seeking internships in ML/Computer Vision or Software Engineering.

Projects:

Drug Detect – AI Medicine Identifier   **GitHub:** manishpatil55/drug-detect-plus
- Built web app identifying medicines via photos using FastAPI, Streamlit, and Gemini AI.
- Provides name, uses, dosage guidance, and purchase links.

PPE Detection — Real-time Worker Safety System   **GitHub:** manishpatil55/PPE-Detection
- Trained YOLOv11 model on 8,500+ images for PPE detection; Streamlit dashboard for live monitoring with Twilio SMS alerts.

AI Chat-Bot (Gemini) — Context-Aware Assistant   **GitHub:** manishpatil55/chat-bot
- Built Developed modular FastAPI backend integrating Google Gemini API with conversation memory and web interface.

Smart Summarizer — Document Intelligence   **GitHub:** manishpatil55/smart-summarizer
- AI-driven summarization and sentiment detection tool for long documents using FastAPI and Gemini API.

Facial Expression Recognition   **GitHub:** manishpatil55/facial-expression-recognition
- Real-time emotion classification using OpenCV and YOLO + FER-2013 dataset; optimized for low-latency webcam performance.

Attendance Management System   **GitHub:** manishpatil55/attendance-management-system
- Face-recognition attendance system using OpenCV and SQL database integration.

Certifications:
- Google Cloud Badges - Google Cloud Profile
- Google IT Automation with Python | Google Cloud Fundamentals
- AWS Cloud Practitioner Essentials | CI/CD & DevOps basics (GitHub Actions, Docker)
- Git & GitHub | Python for Everybody (University of Michigan)
- IBM Data Science Professional Certificate (Coursera)