MANISH KAKULDE

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GitHub: github.com/manishpatil55
LinkedIn: linkedin.com/in/manishkakulde
Portfolio: manishpatil55.github.io

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.

Projects:

Facial Expression Recognition
GitHub: https://github.com/manishpatil55/facial-expression-recognition
- Developed a facial expression recognition system using machine learning algorithms and *OpenCV*.
- Trained a model to classify facial expressions into categories such as *happy, sad, surprise, etc.*
- Used datasets like *FER-2013* for training and evaluation.

Personal Protective Equipment Detection – PPE Detection & Alerts
GitHub: https://github.com/manishpatil55/PPE-Detection
- Developed a PPE detection system using Python and YOLOv11, trained on 8,500 images from Roboflow using Google Colab.
- Integrated the trained model to detect missing safety gear in real-time & send alerts via Twilio.
- Built an intuitive monitoring interface with Streamlit for smooth user interaction.

Personal Portfolio Website – manishpatil55.github.io
GitHub: https://github.com/manishpatil55/manishpatil55.github.io
- Built a fully responsive portfolio website using React, Next.js, TypeScript, Tailwind CSS, & Node.js.
- Followed a basic YouTube guide for structure, then customized and expanded it with original features and design ideas.
- Hosted the site on GitHub Pages, applying self-taught skills to create and deploy a personalized project showcase.

Certifications:
- AWS Cloud Practitioner Essentials
- Google Cloud Badges - Google Cloud Profile
  And many more related to AI, Cloud, and Programming…
- Google IT Automation with Python - Crash Course on Python
- Introduction to Git and GitHub
- Get Started with Python by Google
- IBM Data Science
- Python for Everybody by University of Michigan