

MANISH P

✉ imanish232005@gmail.com — 📞 +91 93455 04199

🌐 linkedin.com/in/manish — 🔄 Manish-010 — 📝 medium.com/@imanish232005

Professional Summary

Aspiring AI Engineer with hands-on experience in Machine Learning, Deep Learning, and AI development. Skilled in Python, OpenCV, MediaPipe, and AI-powered project deployment. Experienced in developing AI solutions including real-time computer vision systems and generative AI tools. Passionate about solving complex problems, creating innovative AI solutions, and contributing to impactful technology projects.

Education

Kangeyam Institute Of Technology

Bachelor of Technology in AI and Data Science

Oct 2022 – Present
CGPA: 8.29 (upto 6th sem)

SR Matriculation Higher Secondary School

HSC: 80%

Kongu Matriculation School

SSLC: 60%

Technical Skills

Programming Languages: Python, Java, SQL

Tools & Technologies: KNIME, Power BI, Git, Amazon AWS, PyCharm, VS Code, Streamlit

AI/ML: Machine Learning, Deep Learning, NLP, Computer Vision, Generative AI

Web3 Knowledge: Understanding and usage of Web3 applications, Cryptocurrency basics, Gas Fee Optimizer awareness

Soft Skills: Problem Solving, Team Collaboration, Creativity

Experience

Beetalogic Software Solutions

June 2025 – Present

AI Developer (ML & DL)

- Developed and deployed AI-powered solutions, including machine learning and deep learning models for client projects.
- Built real-time computer vision systems using OpenCV and MediaPipe for gesture and face tracking applications.
- Optimized ML/DL models for performance, reducing inference time and improving accuracy.

Dynaspede Integrated Systems

April – May 2025

Automation and Robotics Intern

- Designed and implemented an automated vehicle system for industrial robotics training.
- Focused on real-time control, sensor integration, and simulation to optimize automation workflows.
- Gained hands-on experience with robotics, control systems, and automation software.

Global Knowledge Technologies

Aug – Sep 2024

AI Tools Intern – KNIME

- Built end-to-end data workflows and machine learning pipelines using KNIME for automation use cases.
- Automated data preprocessing, feature engineering, and predictive modeling tasks.
- Learned practical application of AI/ML tools in business data analytics scenarios.

Certifications

- Prompt Engineering in ChatGPT – Microsoft
- Career Essentials in Generative AI – Microsoft + LinkedIn

- TCS iON Career Edge – Young Professional Program, TCS
- UiPath Automation Explorer – UiPath
- Artificial Intelligence Tool – KNIME, Global Knowledge

Industry Exposure

- Spectrum Technologies Pvt. Ltd., Cochin – AWS Industrial Automation
- Inker Robotics, Thrissur – Robotics R&D Quality Control
- Quaroo Technologies, Coimbatore – AR/VR Generative AI
- Beetalogic Software Solutions, Coimbatore – Artificial Intelligence

Leadership & Extracurricular Roles

- Student Coordinator – College Symposium (Managed events, coordinated participants, and facilitated sessions)
- Secretary – Alumni Cell Club (Organized alumni interactions, coordinated club activities, and managed communications)
- Rotaract Club Member (Actively participated in organizing and executing community service and social impact projects)
- Department of AI & Data Science – Event Organizer (Contributed to planning and execution of departmental events, including association functions, workshops, and seminars)

Projects

Hands-Free PC Control — Developed a real-time laptop control system using eye movement tracking, enabling hands-free operation for accessibility. Technologies: Python, OpenCV, MediaPipe, Haar Cascades.

AI Ad / Video Generator — Built an AI-powered system to generate promotional videos from text scripts. Automated video creation with dynamic text overlays, background music integration, and editing. Technologies: Python, FFMPEG, Generative AI models, Streamlit.

IntelliWild — AI-IoT system for wildlife monitoring and real-time alerts. Detects poachers and injured wildlife, deployed on edge devices for real-time response. Technologies: Python, YOLOv5, OpenCV, Edge Deployment.

Tamil Sentiment Analysis — Developed a novel algorithm for text sentiment classification, improving accuracy and robustness for Tamil datasets. Technologies: Python, NLP, Custom Algorithm Development.

Malayalam Sentiment Analysis — Designed and validated the NAMP/DREAM algorithm for sentiment detection in Malayalam, achieving high classification performance on custom datasets. Technologies: Python, NLP, Algorithm Design.

Neurocept Real vs Fake Image Detector — Developed a deep learning model to classify real and manipulated images, enhancing content verification processes. Technologies: Python, PyTorch, CNNs.

Mini Projects

- Layoff Prediction – Machine learning model with data visualization.
- Generative AI Music Project – AI-generated music creation.
- Fourier Transformer / Lunar Image Enhancer – Frequency-domain image processing.
- Forest Segmentation – YOLOv5-based forest area detection with overlay visualization.
- Miners Safety Vest Helmet Detection – Real-time safety PPE detection.
- Grocery Object Detection and Billing – Computer vision project for product detection and automated billing.

- Weather Forecasting App – AI/ML-based weather prediction system deployed using Flask.
- IoT Smart Home Automation – Developed an IoT-based system for appliance control and energy management using Python and NodeMCU.

Achievements & Recognition

- Invited as Resource Person at VET IAS College for a 5-day session, sharing knowledge and guiding students in AI and emerging technologies.
- Nominated for College President, recognized for leadership and contribution to student initiatives.
- Maintains a technical blog on Medium, sharing insights on AI, Machine Learning, and Web3 technologies: medium.com/@imanish232005