

C.VISHAL GOUD

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Phone: +91 9177327431 | Passport: Yes

To apply my Learning and expertise in Artificial Intelligence and Machine (AIML) to innovative, impact-driven projects in a dynamic organization. Eager to learn, adapt, and contribute while evolving as a skilled and results-oriented professional.

EDUCATION

- **B.Tech in Artificial Intelligence and Machine Learning** | CGPA: 7.50
J.B. Institute of Engineering & Technology, Hyderabad | 2021-2025
- **Intermediate XII in MPC** | CGPA: 8.68
Gayatri Junior College, Hyderabad | 2019-2021
- **Secondary Education** | CGPA: 9.0
Sri Gayatri e-techno School, Hyderabad | 2019

TECHNICAL SKILLS

Programming Languages: Python

Software Tools : Visual Studio Code, Google Colab, Kaggle, FastAPI, Streamlit, Lightning AI

Frameworks & Libraries : TensorFlow, OpenCV, Keras, MediaPipe

Technical Knowledge : CNN, YOLO, U-Net, Image Segmentation, Object Detection, Generative AI, Prompt Engineering

PROJECTS

Voice-Vision-Hand Controller Mouse | April 2025 – April 2025

- Developed a smart desktop controller using eye tracking, voice commands, and hand gestures to replicate all mouse functions—like left/right clicks, double-clicks, and full desktop navigation—via gaze control, voice-based app launching, and index finger cursor movement.
- Trained using LSTM model Architecture on eye movement data to improve accuracy and smooth interaction.
- Achieved over 80% precision in real-time operation across varied environments.
- **Skills Utilized:** Python, LSTM, OpenCV, MediaPipe, Dlib, Speech Recognition, Eye-Tracking, Hand Tracking, Voice Automation, Facial Landmark Detection, Human-Computer Interaction, Deep Learning.

LeYOLO Scalable and Efficient CNN for Object Detection | Mar 2025 – Mar 2025

- Designed and deployed a hybrid object detection model (YOLO, RetinaNet, EfficientDet) achieving 92.3% accuracy and 85% F1-score on COCO dataset.
- Reduced FLOPs by 42%, enabling deployment on low-power edge devices with up to 64 FPS inference speed.
- **Skills Utilized:** Python, OpenCV, CNN, Feature Pyramid Network, Hybrid Activations, Deep Learning.

WORK EXPERIENCE

- **Tenali's Sports Tech Pvt. Ltd.** (May 2024 – August 2024)

Role: Machine Learning Developer Intern | **Project:** Fitness Assessment Training using AI

- Built a computer vision-based system using OpenCV and MediaPipe to analyze over 100+ Live videos of real-time supported exercises (Bicep Curls, Squats, Pushups, Planks).
- Achieved 30% improvement in posture accuracy and automated real-time rep counting and weekly performance reporting through automated email sending system.
- **Skills Utilized:** Python, OpenCV, MediaPipe, Pose Estimation, Automation, Machine Learning.

- **Teachnook Pvt. Ltd.** (Jan 2024 – Apr 2024)

Role: Machine Learning Intern | **Project:** Satellite Imagery Prediction & Analysis

- Applied U-Net to 1152+ annotated satellite images to detect urban structures, achieved 85% IoU across 6 land-use classes.
- Enabled detection of human-made structures in Google Map-based input, aiding disaster and planning insights.
- **Skills Utilized:** Python, Keras, U-Net, Semantic Segmentation, Deep Learning.

- **Verzeo (SmartKnower) Pvt. Ltd.** (Sep 2023 – Dec 2023)

Role: Artificial Intelligence Intern | **Project:** Image Classification & Handwritten Digits Recognition

- Developed a CIFAR-10 classifier using CNN with 78% accuracy across 10 classes, incorporating dropout and performance evaluation tools.
- Built a CNN model achieving 98.08% accuracy on MNIST for digit recognition, with a real-time prediction GUI using Tkinter.
- **Skills Utilized:** Python, TensorFlow, Keras, CNN, Tkinter, GUI Development, Machine Learning.

LANGUAGES

Telugu (Native), Hindi (Fluent), English (Fluent)

CERTIFICATES

- Machine Learning Developer Intern – Tenali's Sports Tech Pvt. Ltd.
- Machine Learning, Deep Learning, Cloud Computing and Deep Learning for NLP – NPTEL
- Machine Learning with Python – Teachnook Pvt. Ltd.
- Artificial Intelligence with Python – Verzeo (SmartKnower) Pvt. Ltd.
- Python Programming Language – Udemy

PUBLICATIONS & RESEARCH

- LeYOLO: A New Scalable and Efficient CNN Architecture for Object Detection – IJETRM (*Publication*)
- Fitness Assessment Vision with AIML – AI-powered workout tracking using OpenCV. (*Research*)

DECLARATION

I, hereby declare that the above information and particulars are true to the best of my knowledge. I am responsible for the correction of the above details.