

Ankith Kanthyappa Nataraj

ankithkanthyappanataraj@gmail.com — Portfolio — LinkedIn — GitHub

Profile

Computer Science graduate with a strong interest in Artificial Intelligence, Machine Learning, and Applied Data Science. Experienced in developing intelligent applications using TensorFlow, OpenCV, MediaPipe, Google Gemini API, and modern web technologies.

Education

Bachelor of Engineering in Computer Science and Engineering 2022–2026
ATME College of Engineering, Mysuru (VTU)
CGPA: **7.48/10**

Experience

Industrial Robot Simulation and Programming Intern Mysuru
iRobo Automation Pvt. Ltd.

- Simulated industrial robotic workflows using RoboDK.
- Developed industrial automation and robotic workflow simulations.
- Gained practical exposure to industrial robotics, robot programming and automation concepts.

Projects

Real-Time Sign Language Recognition System

TensorFlow • OpenCV • MediaPipe • Flutter

- Developed a real-time sign language recognition system using Deep Learning and Computer Vision.
- Implemented hand landmark detection and gesture classification using MediaPipe.
- Integrated Computer Vision and Deep Learning to enable real-time gesture-to-text recognition.

AI Resume Screening System

Python • Streamlit • Sentence Transformers • NLP

- Built an AI-powered Applicant Tracking System that ranks resumes using semantic similarity.
- Implemented resume parsing, semantic similarity scoring, recruiter dashboard, and automated PDF report generation.
- GitHub: <https://github.com/ankith0921/AI-Resume-Screener>
- Live Demo: <https://ai-resume-screener-hcwkeqeyb8jvef8he7pivc.streamlit.app/>

AI Interview Agent

Python • Streamlit • Google Gemini API

- Built an AI-powered interview platform generating role-specific interview questions.
- Implemented AI-based evaluation, scoring and detailed feedback.
- Generated structured interview reports with AI-based scoring and hiring recommendations.
- GitHub: <https://github.com/ankith0921/AI-Interview-Agent>

Publications

Real-Time Hand Gesture Recognition System Using MediaPipe and OpenCV

Presented at the International Conference on Cognitive & Intelligent Computing (ICCIC-2025).

Technical Skills

Programming Languages: Python, Java, TypeScript

Artificial Intelligence: Machine Learning, NLP, LLMs, Prompt Engineering, TensorFlow, Keras, Sentence Transformers, Google Gemini API

Computer Vision: OpenCV, MediaPipe

Web Development: Next.js, React, Streamlit, Flask, Tailwind CSS

Databases: MySQL, MongoDB, Firebase, Supabase

Tools: Git, GitHub

Languages

English — IELTS Academic 7.5 (CEFR C1)