




Likith Gannarapu

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EDUCATION

Mahindra University

Bachelor of Technology in Artificial Intelligence

Hyderabad, Telangana

CGPA: 8.02

PATENTS

IN Patent 202441058874, “Automated Short News Video Generation” published on August 5, 2024.

EXPERIENCE

Associate AI Engineer

Auropro Soft Systems

Jul, 2025 - Present

Hyderabad, Telangana

- Built API's for

Associate Engineer - AI (Intern)

AuroPro Soft Systems

Jan 2025 – Jul 2025

Hyderabad, Telangana

- Built backend APIs using FastAPI for serving AI models and structured OCR pipelines, processing both handwritten and printed text.
- Integrated TrOCR and transformer-based models (GOT OCR 2.0) into production pipelines for structured data extraction from scanned forms.
- Designed scalable serverless solutions using GCP Cloud Functions and Firestore, reducing latency and optimizing I/O throughput.
- Worked with annotated data (CVAT, COCO) for fine-tuning and evaluation.

Computer Vision Intern

Harvested Robotics

Jun 2024 – Oct 2024

Hyderabad, Telangana

- Built object detection and tracking pipelines using OpenCV, YOLO, and custom-trained CV models.
- Performed speed estimation and trained object detection models on custom datasets for accurate object detection.
- Utilized machine vision cameras for real-time image acquisition and analysis.
- Integrated laser gimbal control with real-time vision output to automate target detection and actuation.

Head of the Media Club

Mahindra University

Aug 2023 – Jun 2024

Hyderabad, Telangana

- Led the official photography club of Mahindra University, managing a diverse team of 40+ members across departments.
- Oversaw planning & shooting of media coverage for major campus events, conferences, and promotional activities.
- Handled & maintained equipment worth over Rs.50 lakh, ensuring availability and operational readiness for events.
- Led cross-functional media teams, managed equipment logistics, and improved operational workflows for high-visibility university events.

TECHNICAL SKILLS

Languages & Frameworks: Python, FastAPI, C, SQL

Libraries: OpenCV, NumPy, pandas, supervision, scikit-learn, Transformers

Developer Tools: Git, Google Colab, VS Code, Postman, Swagger

Cloud & Infrastructure: Docker, GCP, AWS (beginner)

Hardware: Raspberry Pi, NVIDIA Jetson, Jetson Nano, Machine Vision Cameras

CERTIFICATIONS

Hugging Face Agents Course – Hugging Face Instructors

Apr 2025

PROJECTS

Quantum Machine Learning for Image Classification

Sept 2024 – Nov 2024

- Implemented a Quantum Machine Learning (QML) model to perform image classification tasks, using a JetRacer platform for real-world deployment and testing.
- Compared the performance of QML models against classical machine learning models to evaluate the efficacy of quantum approaches.

Automated Short News Video Production System

Feb 2024 – Jun 2024

- Developed an automated system for producing short news videos, integrating an Embedded Hardware Device (EHD) with a camera and a cloud-based server to streamline video production for social media platforms.
- Designed the EHD for real-time video capture and upload, enabling seamless content creation with minimal manual intervention using a Raspberry Pi.

Analysis of Earthquake Data

Feb 2023 – Jun 2023

- Collected seismic data from the PEER Ground Motion Database and processed it using SeismoSoft for detailed analysis.
- Refined the dataset and developed a machine learning model to perform earthquakes classification task.

AWARDS AND ACHIEVEMENTS

- Merit-based scholarship consecutively for two academic years (2021–22, 2022–23).
- Aptitude Talent Search Olympiad (INTSO) – Achieved All India Rank 5 (2015–2016).
- Qualified in the AMTI National Mathematics Talent Contest, ranked in the top 10% nationally in 2014 and 2015.
- International Mathematics Olympiad – Secured Rank 12 in Telangana & AP (2014).