Likith Gannarapu

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Education

Mahindra University — Hyderabad, Telangana
Bachelor of Technology in Artificial Intelligence, CGPA: 8.02 — *Aug 2021 – Jun 2025*

Sri Chaitanya Junior Kalasala — Hyderabad, Telangana
Intermediate (PCM), 98.6% — *Jun 2019 - May 2021*

Sri Chaitanya Techno School — Hyderabad, Telangana
10th Grade (SSC), GPA: 9.8 — *May 2018 - Jun 2019*

Experience

Associate Engineer - AI (Intern) — Jan 2025 – Present
AuroPro Soft Systems — *Hyderabad, Telangana*

- Digitized printed and handwritten documents using TrOCR and GOT (transformer-based) models, achieving 97% accuracy.
- Developed a software solution for end-to-end analysis of bank statements and credit reports for microfinance evaluation using Generative AI and LLM's.

Computer Vision Intern — Jun 2024 – Oct 2024
Harvested Robotics — *Hyderabad, Telangana*

- Developed and implemented object detection and tracking algorithms using computer vision techniques.
- Performed speed estimation and trained object detection models on custom datasets for accurate object detection.
- Utilizied machine vision cameras for real-time image acquisition and analysis.
- Integrated a laser gimbal system to target and shoot detected objects, enhancing automation capabilities.

Patents

IN Patent 202441058874, *"Automated Short News Video Generation"* published on August 5, 2024.

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.

Certifications

Hugging Face Agents Course – Hugging Face Instructors — *Apr 2025*
Successfully completed coursework on building and deploying multi-modal AI agents using Hugging Face tools.

Technical Skills

Languages & Frameworks: Python, C, SQL, FastAPI, Flask
Developer Tools: Git, Google Colab, VS Code, Postman, Swagger
Libraries: pandas, NumPy, Matplotlib, scikit-learn, supervision, OpenCV
Cloud & Infrastructure: Docker, GCP, AWS (beginner)
Hardware: Raspberry Pi, NVIDIA Jetson

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).