

# Likith Gannarapu

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## EDUCATION

<b>Mahindra University</b> <i>Bachelor of Technology in Artificial Intelligence, CGPA: 7.81</i>	Hyderabad, Telangana <i>Aug 2021 – Present</i>
<b>Sri Chaitanya Junior Kalasala</b> <i>Intermediate (PCM), 98.6%</i>	Hyderabad, Telangana <i>Jun 2019 - May 2021</i>
<b>Sri Chaitanya Techno School</b> <i>10th Grade (SSC), GPA: 9.8</i>	Hyderabad, Telangana <i>May 2018 - Jun 2019</i>

## EXPERIENCE

<b>Associate Engineer - AI</b> <i>AuroPro Soft Systems</i>	Jan 2025 – Present <i>Hyderabad, Telangana</i>
<ul style="list-style-type: none"><li>Digitized printed and handwritten documents using TrOCR and GOT (transformer-based) models, achieving 97% accuracy.</li><li>Developing a software solution for end-to-end analysis of bank statements and credit reports for microfinance evaluation.</li></ul>	
<b>Computer Vision Intern</b> <i>Harvested Robotics</i>	Jun 2024 – Oct 2024 <i>Hyderabad, Telangana</i>
<ul style="list-style-type: none"><li>Developing and implementing object detection and tracking algorithms using computer vision techniques.</li><li>Conducting speed estimation and training models on custom datasets for accurate object detection.</li><li>Utilizing machine vision cameras for real-time image acquisition and analysis.</li><li>Integrating a laser gimbal system to target and shoot detected objects, enhancing automation capabilities.</li></ul>	
<b>Head of the Media Club</b> <i>Mahindra University</i>	Aug 2023 – Jun 2024 <i>Hyderabad, Telangana</i>
<ul style="list-style-type: none"><li>Led the official photography and videography club of Mahindra University, managing a diverse team of 40+ students across departments.</li><li>Oversaw planning, shooting, and editing of media coverage for major campus events, conferences, and promotional activities.</li><li>Handled and maintained equipment worth over Rs.50 lakh, ensuring availability and operational readiness for all events.</li></ul>	

## PROJECTS

<b>Quantum Machine Learning for Image Classification</b>	Sept 2024 – Nov 2024
<ul style="list-style-type: none"><li>Implemented a Quantum Machine Learning (QML) model to perform image classification tasks, using a JetRacer platform for real-world deployment and testing.</li><li>Compared the performance of QML models against classical machine learning models to evaluate the efficacy of quantum approaches.</li></ul>	
<b>Automated Short News Video Production System</b>	Feb 2024 – Jun 2024
<ul style="list-style-type: none"><li>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.</li><li>Designed the EHD for real-time video capture and upload, enabling seamless content creation with minimal manual intervention using a Raspberry Pi.</li></ul>	
<b>Analysis of Earthquake Data</b>	Feb 2023 – Jun 2023
<ul style="list-style-type: none"><li>Collected seismic data from the PEER Ground Motion Database and processed it using SeismoSoft for detailed analysis.</li><li>Refined the dataset and developed a machine learning model to perform earthquakes classification task.</li></ul>	

## PATENTS

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

## CERTIFICATIONS

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**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

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**Languages:** Python, C, SQL

**Developer Tools:** Git, Google Colab, VS Code, PyCharm

**Libraries:** pandas, NumPy, Matplotlib, scikit learn, supervision, OpenCV

## AWARDS AND ACHIEVEMENTS

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- 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 National Mathematics Talent Contest by AMTI, ranked in the top 10% nationally in both 2014 and 2015.
- International Mathematics Olympiad – Secured Rank 12 in Telangana & AP (2014).