

# LAXMIPATHI BALAJI MITTAPALLI

 +91 9110501606    mittapallibalaji8@gmail.com    LinkedIn    Portfolio    GitHub

## EDUCATION

VNR Vignana Jyothi Institute of Engineering and Technology

Hyderabad, India

Bachelor of Technology in Computer Science and Engineering - CGPA: 9.13/10

Expected 2026

## EXPERIENCE

Machine Learning Intern | Infosys

Oct 2024 - Dec 2024

- Developed an AI-driven engagement analytics system using CNNs to assess student attention, enabling data-driven teaching adjustments via optimized models and personalized feedback.
- Engineered scalable data pipelines with outlier detection and normalization, achieving 90%+ precision in engagement insights via interactive dashboards.

## PROJECTS

Folk Video Generator | [Project Link](#)

Python, Replicate, Gemini

- Built a tool to automate folk story animations using Gemini for dynamic image prompts, generating 50+ scenes with 95% scene-audio synchronization.
- Leveraged fine-tuned LLMs for text-to-video generation, enhancing the storytelling experience and improving workflow efficiency.

Real-Time Chat Application | [Project Link](#)

MongoDB, Node.js, Socket.io

- Developed a real-time messaging app using MERN stack and JWT authentication, enabling seamless communication and user status updates.
- Enhanced user experience with efficient state management using Zustand and real-time messaging with Socket.io.

Sentiment Analysis | [Project Link](#)

NLTK, Python, Flask

- Developed a sentiment analysis tool for YouTube comments using NLTK, analyzing 10,000+ comments with 90% accuracy.
- Extracted video summaries and visualized sentiment trends with charts, offering insights into user engagement.

## SKILLS

Programming Languages

Python, C++, SQL

Machine Learning & AI

TensorFlow, PyTorch, Scikit-learn | Deep Learning, NLP, Langchain

Cloud & Data Tools

AWS | MySQL, Tableau

Web Development

React.js, Node.js, MongoDB, RESTful APIs

MLOps & Tools

Git, CI/CD Pipelines | Flask, FastAPI

Soft Skills

Problem-Solving, Team Collaboration, Strategic Thinking, Decision-Making

## ACHIEVEMENTS

- Presented on 'Data Collection and Machine Learning in Smart Transportation' at the International Conference on Applied Mathematics and Advanced Analytics for Industry 5.0.
- Knight Rank on LeetCode with a highest rating of 1868, ranking in the top 6% in global competitors.

## CERTIFICATES

- Amazon ML Summer School 2024 Acknowledgement (Amazon) | [CERTIFICATE](#)
- Machine Learning Specialization (DeepLearning.AI) | [CERTIFICATE](#)
- Microsoft Learn AI Skills Challenge (Microsoft) | [CERTIFICATE](#)
- ICAMADA Research Paper Presentation (NRSC, ISRO) | [CERTIFICATE](#)