

Work Experience

Conversia AI - Certificate

ML Team Lead

Noida, UP

Jan 2025 – Mar 2025

- Led development of a Retrieval-Augmented Generation (RAG) chatbot using LangChain & HuggingFace, boosting client employee productivity by 20%.
- Managed and mentored 6 ML interns, delivering 2 client-facing ML projects on time.
- Developed a YOLO-v8 food damage detection system with 96% accuracy on 10,000+ images. Implemented model optimization and evaluation pipelines, reducing inference latency by 15% and ensuring production readiness.

Skills

Languages: Python, Java, R, MATLAB, HTML, CSS, React, MySQL, Flutter

Technologies & Soft skills: GitHub, AWS, Machine Learning, Deep Learning, TensorFlow, Keras, PyTorch, Computer Vision, HuggingFace, LangChain, Project management, Agile, Communication, Leadership, Time management

Certifications

- **Global Certifications:** Oracle Cloud Infrastructure 2025 Certified Generative AI Professional, Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate
- **Other Certifications:** AWS Academy Solutions Architecture, ML Crash Course Google developers, BlackBucks Data Science & Business Analytics

Projects

- **Deepfake Video Detection – GitHub:** Led a team of 4 to build a dual-stream CNN-LSTM deepfake detection model, achieving 78% accuracy and 82% AUC; applied ELA preprocessing and temporal sequence learning to improve detection of subtle facial inconsistencies.
- **HackByte Hackathon Project – Demo:** Engineered a deepfake audio detection system by training and validating a custom CNN on mel spectrogram datasets, achieving 82% accuracy; leveraged Python, TensorFlow, and audio signal processing to deliver a scalable AI-powered mobile application.
- **GoogleDevs Sprint'25 Hackathon – Paisa Banao AI:** Built an end-to-end RAG-based finance chatbot using LangChain & HuggingFace; designed dataset pipelines and improved retrieval accuracy by 18%, enabling faster responses for 200+ benchmark financial queries.
- **Fraud Transaction Detection - Kaggle:** Detected fraud in 63M+ simulated transactions using XGBoost, achieving 96% recall on fraud and 100% true negative rate.

Awards & Publications

- **IEEE Publication 2025:** “Dual-Stream CNN-LSTM Framework with ELA Preprocessing for Deepfake Detection”
- **VIT-AP Engineering Clinics 2023-24:** 2nd Place
- **HackByte Hackathon:** Finalist
- **GoogleDevs Sprint'25 Hackathon:** Finalist

Education

Vellore Institute of Technology - AP

B.Tech in Computer Science Engineering, CGPA: 8.76/10.00

Amaravati, AP

September 2022 – Present

- **Concentrations:** Machine Learning & Artificial Intelligence
- **Relevant Coursework:** Data Structures & Algorithms, Machine Learning, Deep Learning, Statistics, NLP, Python, OOP in Java, Software Engineering, Design & Analysis of Algorithms, Database Management Systems

Involvement

Association of Computer Machinery (VIT-AP Chapter)

Senior Technical Community Manager

- Led and mentored a 40-member team, including 2 technical leads to plan and execute multiple hackathons, bootcamps, and technical workshops.
- Enhanced community engagement and promoted technical skill development among members.