

JAMPARANGI LIKITH SAGAR

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EDUCATION

B.Tech in Information Technology

Andhra University College of Engineering, Visakhapatnam

Expected 2026

CGPA: 7.80/10

EXPERIENCE

Deepfake Detection Model Development

Hackathon Project — Remote

- Designed and optimized a deepfake detection system using **TensorFlow**, **OpenCV**, and **Scikit-learn**.
- Achieved **95.3% accuracy**, outperforming baseline models by **18%**.
- Processed **500,000+ images** from the FaceForensics++ dataset, enhancing detection capabilities.

Financial Advisory Chatbot

Hackathon Project — Remote

- Spearheaded the creation of an AI-driven chatbot that delivers **personalized financial insights** based on user data.
- Enhanced response precision by **30%** through LLM fine-tuning.
- Integrated **real-time financial data processing**, enabling intelligent salary structuring and investment planning.

PROJECTS

AI-Powered Multi-Source Text Summarization (URL and PDF) (GitHub: [Text Summarizer Repo](#))

- Built an **NLP-based tool** for extracting and summarizing content from **web pages** and **PDF documents**.
- Improved text compression efficiency by **35%**, ensuring concise and high-quality summaries.

AI-Powered Search Engine with Autonomous Agents

(GitHub: [AI Search Engine Repo](#))

- Engineered a **context-aware search engine** utilizing autonomous AI agents.
- Boosted search speed by **42%** using **LangChain-based vector search optimization**.

POSITIONS OF RESPONSIBILITY

Hackathon Mentor and AI/ML Guide

2024 - Present

- Guided **10+ teams** in AI/ML hackathons, improving their technical strategies and model optimization techniques.

Open-Source Contributor - AI and Data Science

2023 - Present

- Made significant contributions to NLP and computer vision projects by refining data preprocessing pipelines and enhancing automation.

CERTIFICATIONS AND ACHIEVEMENTS

- **Smart India Hackathon 2024 (2nd Place)**: Created an AI-powered **media verification system** that achieved **95.3% accuracy** in detecting manipulated content. ([View](#))
- **Startup Ideathon 2025 (3rd Place)**: Led the development of a financial AI chatbot, improving investment predictions by **30%**. ([View](#))

TECHNICAL SKILLS

Machine Learning, Deep Learning, Generative AI, Agentic AI

Tools and Frameworks: TensorFlow, Keras, PyTorch, LangChain, LangGraph, CrewAI, Hugging Face, Flask, Streamlit, Git/GitHub, Google Colab, VS Code.