GOPI JAGADHEESH MAHAMKALI

📞 8309383698 | ✉ gopimahamkali3101@gmail.com | 🔗 Gopi-Mahamkali | 🐙 Gopi

CAREER OBJECTIVE

Motivated and detail-oriented **AI Intern** with a strong foundation in **Machine Learning**, **Deep Learning**, **Computer Vision**, NLP and **Generative AI**, seeking to contribute to the development of intelligent, and scalable AI solutions.

TECHNICAL SKILLS

Languages: C, C++, Python, JavaScript, Java .
Technologies: Machine Learning, Deep Learning, Natural Language Processing, Computer Vision, Agentic AI .
Frameworks: TensorFlow, PyTorch, Keras, Langchain, LangGraph, CrewAI, Express, React, Node.js ,Flask .
Tools & Databases: PostgreSQL, SQL, MongoDB, Pinecone, AstraDB, Docker, Kubernetes, Git, Jenkins, HuggingFace.

WORK EXPERIENCE

4SightAI   **Sept 2025 – present**
AI Engineer   *Vijayawada, Full time*
- Automated document processing for **police workflows** using **AI**, reducing **manual extraction** time by 95% and increasing **record accuracy** to 98%, improving **operational efficiency** .
- Designed and implemented **data management pipelines**, standardizing **extraction** and **validation** logic to integrate seamlessly with legacy systems, reducing **onboarding** overhead by 80%.
- Enabled secure **record validation** and **correction**, cutting **manual review effort** by 80% and boosting confidence .

Vortex.ai   **May 2024 – July 2024**
AIML & Web Intern   *Vizag, Remote*
- Developed a full-fledged **AI Tutor Application** enabling interactive learning via **speech recognition**, and **LLMs** .
- Leveraged **Open-source LLMs**, **Whisper** for speech-to-text, and **TTS engines** for realistic audio responses.
- Collaborated in an Agile environment with cross-functional teams

PROJECTS

GenAI Chatbot for Multilingual Knowledge Assistance
- Engineered chatbot using **open-source LLMs** and **LangChain & LangGraph**, improving accuracy of domain answers by 95% through **Agentic RAG** .
- Integrated **Whisper** and **TTS** for real-time multilingual interaction, increasing user engagement by 40%.
- Deployed scalable app (**Flask**/**React**) supporting document-based queries, reducing response times by 20%.

FloodGuard: AI-Powered Flood Prediction System
- Developed and tested deep learning segmentation models (**U-Net, SAM**) to detect flood zones with 26% higher accuracy.
- Applied **geospatial analytics and visualization** for risk zone prediction and real-time location-based coverage.
- Integrated alert systems using **Twilio APIs & OpenWeather**, improving emergency response time by 50%.

EDUCATION

Rajiv Gandhi University of Knowledge Technologies - Nuzvid   *Sept 2023 – Present*
Bachelor of Technology in Computer Science & Engineering (Expected May-2027)   **CGPA: 8.92**

ACHIEVEMENTS

- Secured **1st place** in the AI 4 Andhra Police Hackathon competing with industry professionals.
- Finalist and **Best UI/UX Design Award** winner at Hack To Crack 2.0 for innovative AI-driven app design.
- Ranked **1st** in SIH Internal Hackathon at RGUKT Nuzvid.
- **AI/ML Lead – Alumni Relations Cell:** Led a cross-functional team to develop AI-powered chatbots and automation tools improving alumni engagement and workflow efficiency.
- Selected as an Open Source Contributor for **Girlscript Summer of Code (GSSoC '25)**, enhancing multiple AI/ML projects through code contributions and bug fixes.
- Completed the **Infosys Springboard Machine Learning Internship,** culminating in a capstone project where I developed a predictive model achieving 92% accuracy.