

SAKETH LINGERKER

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EDUCATION

JNTUH University College of Engineering, Manthani
Bachelor of Technology in Computer Science

July 2025
CGPA: 7.47/10.0

EXPERIENCE

International Institute of Information Technology, Hyderabad (IIIT-H)
Research Intern – Artificial Intelligence and Machine Learning

Nov 2024 – June 2025

- Engineered Voice Activity Detection (VAD) modules in Python to enhance AI-driven video summarization systems
- Collaborated with research team to integrate VAD outputs into multi-modal AI models and evaluation pipelines
- Gained expertise in transformer architectures through technical discussions and code reviews

PROJECTS

Smart Feedback Analysis System | *Python, Flask, JavaScript, Hugging Face*

- Architected full-stack web application with real-time sentiment analysis, serving high-throughput data streams through optimized RESTful APIs
- Implemented admin dashboard with JWT authentication, Chart.js visualizations, and automated email alerts

ATS Resume Expert Pro | *Python, Streamlit, Google Gemini AI, PyMuPDF*

- Designed scalable resume analysis system with PDF parsing and ATS scoring, achieving 40% efficiency gain in resume evaluation workflows
- Deployed on Streamlit Cloud delivering real-time optimization insights to users

AI-Powered Crop Forecasting System | *Python, Neural Networks, Flask*

- Developed deep neural network system with 98% prediction accuracy, deployed as high-availability web application serving 100+ farmers
- Deployed Flask web application serving real-time recommendations to farmers

ClearView – Interactive Air Quality Insights | *Python, Power BI, Streamlit*

- Developed interactive AQI dashboard with 95% data accuracy, processing real-time environmental data streams
- Streamlined data pipelines and preprocessing workflows, delivering actionable visualizations for urban planning

TECHNICAL SKILLS

Languages: Python, C, C++, SQL, JavaScript, HTML, CSS

Frameworks & Libraries: Flask, Streamlit, TensorFlow, Scikit-learn, NumPy, Pandas, Hugging Face

Tools & Platforms: Git, Docker, RESTful APIs, JWT Authentication

Databases: MySQL, SQLite

AI/ML: Machine Learning, Deep Learning (CNN), Generative AI

Soft Skills: Problem Solving, Team Collaboration, Leadership, Technical Communication

CERTIFICATIONS & LEADERSHIP

- IIIT-Hyderabad** – AI/ML Training cum Research Internship Program
- AWS Cloud Practitioner** – Amazon Web Services
- Coding Club Mentor** – Mentored 50+ students in programming and technical skills
- Technical & Main Coordinator** – Managed end-to-end logistics for flagship college fests