SAKETH LINGERKER

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CAREER OBJECTIVE

Dedicated and enthusiastic individual, constantly seeking to apply and expand my knowledge while challenging myself to grow professionally. Quick learner, team player, and adaptable to evolving technologies and organizational needs.

EDUCATION

JNTUH University College of Engineering, Manthani   July 2025
Bachelor of Technology in Computer Science - 7.50 CGPA

Sri Gayatri Junior College, Hyderabad   March 2021
Intermediate - 94.4%

Vaishnavi High School, Hyderabad   March 2019
School - 9.5 GPA

EXPERIENCE

International Institute of Information Technology, Hyderabad (IIIT-H)   *Nov 2024 – June 2025*
Research Intern – Artificial Intelligence and Machine Learning

- Conducted research on Voice Activity Detection (VAD) to enhance YouTube video summarization, reducing watch time while maintaining key content.
- Implemented and refined Rapid Voice Activity Detection (RVAD) algorithms for efficient speech processing.
- Collaborated with researchers to enhance AI-driven summarization models, improving content retention and accessibility.

PROJECTS

Vehicle Insurance MLOps Pipeline – End-to-End Deployment

- Built an MLOps pipeline using **Python**, with **MongoDB** for data storage, **AWS (S3, EC2, ECR)** for deployment, and **GitHub Actions** for CI/CD automation.
- **Outcome:** Streamlined model lifecycle with automated training, evaluation, and deployment; ensured production-grade reliability and scalability.

Smart Resume Matching and Application Tracking Platform

- Developed a resume evaluation tool using **Streamlit** and **Gemini Pro Vision** to simulate HR and ATS-style feedback.
- **Outcome:** Generated match scores and keyword insights to optimize resume-job alignment and improve shortlisting chances.

AI-Powered Forecasting for Agriculture Productivity

- Designed a crop recommendation system using a **deep neural network** with Tanh and Softmax layers, reaching **98% accuracy**.
- Deployed as a **Flask web app** to guide farmers in selecting high-yield crops based on environmental inputs.

ClearView – Interactive Air Quality Insights

- Built an interactive AQI dashboard using **Python, Power BI, and Streamlit**, enabling real-time insights with **95% data accuracy**.
- Streamlined data collection and preprocessing, delivering actionable visualizations and a user-friendly interface.

TECHNICAL SKILLS

Languages: Python, C, C++, SQL
Libraries: NumPy, Pandas, Scikit-learn, TensorFlow, Keras, Seaborn, Matplotlib, OpenCV, LangChain
Technologies: Machine Learning, Deep Learning (CNN), NLP, GenAI
Tools/Platforms: Git, GitHub, Jupyter, Docker, Google Cloud, DVC, MLflow
Databases: MySQL, MongoDB
Core CS: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), Operating System
Soft Skills: Problem Solving, Team Collaboration, Leadership, Critical Thinking

CERTIFICATIONS

- IIIT-Hyderabad - AI/ML Training cum Research Internship Program. | *Certificate*

- AWS Cloud Practitioner Essentials - Amazon Web Services (AWS). | *Certificate*

VOLUNTEER AND LEADERSHIP EXPERIENCE

- Organized and led coding classes for 50+ students, fostering technical skill development and collaboration as **Coding Club Mentor**.

- Managed technical setup and event logistics as **Technical Coordinator** for the College Fest, ensuring smooth execution.

- Directed two successful college fests as **Main Coordinator**, demonstrating strong organizational and leadership capabilities.