

# Saketh Lingerker

B.Tech CSE (2021-25)  
Computer Science Engineering  
JNTUH University College of Engineering, Manthani

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## EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. CSE	JNTUH University College of Engineering, Manthani	7.47	2021-25
Senior Secondary	TSBIE Board	94.4%	2019-21
Secondary	SSC Board	9.5	2019

## EXPERIENCE

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

- 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.

## TECHNICAL SKILLS

- Programming:** Python, C, SQL
- Development:** HTML, CSS, JavaScript, Flask, Streamlit, REST API
- Databases:** MySQL, MongoDB (familiar)
- CS Subjects:** Data structures and Algorithms, OOPs concepts, Operating system
- AI/ML:** Familiar with Tensorflow, Machine Learning, Deep Learning (CNN), Generative AI, and concepts

## PROJECTS

- Smart Feedback Collection and Analysis System** *Oct 2025 – Dec 2025*  
*Full Stack Sentiment Analysis* *Github*
  - Built a real-time sentiment analysis platform enabling businesses to monitor customer feedback instantly.
  - Helped reduce manual feedback processing time by **60%** for faster response cycles.
  - Made using: Python, Flask, JavaScript, SQLite, Hugging Face
- ATS Resume Expert Pro** *Jan 2025 - Feb 2025*  
*Resume Evaluation System* *Github*
  - Developed an AI-powered resume analysis system that provides actionable optimization suggestions in real time.
  - Improved resume evaluation efficiency by **40%**, making screening faster for job seekers.
  - Made using: Python, Streamlit, Google Gemini AI
- AI-Powered Crop Forecasting System** *Oct 2024 - Dec 2024*  
*Deep Learning Project* *Github*
  - Created a deep learning model that predicts crop yield from agricultural parameters to support planning decisions.
  - Achieved **98% accuracy** and served over **100+ farmers** with real-time recommendations.
  - Made using: Python, Neural Networks, Flask
- ClearView – Interactive Air Quality Insights** *Sep 2024 - Nov 2024*  
*Data Visualization* *Github*
  - Built an interactive dashboard that visualizes live air quality levels and pollution patterns.
  - Delivered **95% accurate data** and reduced manual reporting time by **50%** for environmental planning.
  - Made using: Python, Power BI, Streamlit

## POSITIONS OF RESPONSIBILITY

**Coding Club Mentor** – JNTUH College of Engineering, Manthani *2023 - 2024*  
**Technical & Main Coordinator** – College Fest *2024 - 2025*

## CERTIFICATES

**IIIT-Hyderabad** – AI/ML Training cum Research Internship Program *2024*  
**AWS Cloud Practitioner** – Amazon Web Services *2024*