KOSANA VENKATA NAVADHEER

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Narasaraopet, Andhra Pradesh

PROFESSIONAL SUMMARY

Computer Science (AI) student with a strong foundation in Python, SQL, Pandas, and data preprocessing, seeking a Data Engineering internship at Honeywell. I have experience cleaning, transforming, and analyzing large log and demographic datasets, and building ML pipelines that turn raw data into reliable insights. With an IEEE-published research paper and AWS Certified AI Practitioner credential, I want to help optimize data pipelines and ETL processes while ensuring data quality and integrity, and learn from Honeywell's experienced data engineers.

EDUCATION

Bachelor of Technology in Computer Science (Artificial Intelligence) — **CGPA: 8.19 / 10**
Narasaraopet Engineering College — 2022 – 2026

Intermediate (MPC) — **Percentage: 97.6%**
Sastra Junior College, Vijayawada — 2020 – 2022

TECHNICAL SKILLS

Programming & Data: Python, SQL, NumPy, Pandas, Data Cleaning, Data Preprocessing, EDA, Feature Engineering
Machine Learning: Scikit-learn, Regression, Classification, Ensemble Learning, XGBoost, Random Forest, SVM, KNN, Model Evaluation, Hyperparameter Tuning
Generative AI & NLP: LLMs, Prompt Engineering, RAG, LangChain, LangGraph, Hugging Face, Transformers, AI Agents
Tools: Git, GitHub, VS Code, Streamlit

EXPERIENCE

Cyber Security Intern — Supraja Technologies Pvt. Ltd.

Log-Based Threat Detection System *Sept 2025 – Jan 2026*
Analyzed system and application logs to detect abnormal activities and potential security threats.
Identified suspicious patterns to improve monitoring efficiency and incident awareness.

Webcam Security System *May 2025 – Aug 2025*
Developed a Python-based AI webcam security application for real-time monitoring and alert generation.
Implemented secure authentication, SHA-256 hashing, and system-level protection mechanisms.

PROJECTS

Sleep Disorder Classification using Optimized Ensemble ML & Genetic Algorithms [Link]
Tech Stack: Python, TensorFlow, Scikit-learn, XGBoost, SHAP
Developed an ensemble machine learning model combining ANN and Random Forest to classify sleep disorders using demographic and lifestyle data, with SHAP-based explainable AI techniques to improve model interpretability.

Log-Based Threat Detection [Link]
Tech Stack: Python, Machine Learning, Cyber Security
Developed a log-based threat detection system by analyzing system and network log data.
Applied machine learning techniques to identify suspicious patterns and improve early threat detection.

Webcam Security System [Link]
Tech Stack: Python, Tkinter, OpenCV
Designed a secure desktop application with password-based authentication for webcam access control.
Implemented real-time monitoring and activity logging to prevent unauthorized webcam usage.

ACHIEVEMENTS & CERTIFICATIONS

Published Research Paper on IEEE (2026) [View Paper]
AWS Certified AI Practitioner [View Certificate]
Cyber Security Hackathon Runner-Up (Supraja Technologies)
IDE Bootcamp (IIM Sambalpur & RVR&JC College)