

SAI SATWIK STK

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AI/ML Portfolio →<https://saisatwi.github.io/ai-ml-engineer>

PROFESSIONAL SUMMARY

Junior AI/ML Engineer (ex-Amazon). Delivered 98%+ accuracy on 100K+ Nike shoe images for production computer-vision model, automated ML pipelines saving 25–30% effort, and built a fully offline multimodal voice AI assistant using Llama3.1 8B + LLaVA + Whisper. Hands-on with LLM orchestration, Transformers, Python automation, model evaluation & retraining loops.

CORE SKILLS

Python | Llama3.1 8B | LLaVA | Whisper | Transformers | scikit-learn | OpenCV | LLM(Basics)

Computer Vision Pipelines | Model Evaluation Metrics | Data Preprocessing | Prompt Engineering | RAG basics

SQL | AWS S3 | Git | Streamlit | Problem Solving | RCA | Documentation

EXPERIENCE

Amazon — ML Data Associate – Computer Vision Data Pipeline (Nike TRON)

Mar 2025 – Oct 2025

- Achieved 98%+ accuracy on 100K+ annotated frames for live CV production model
- Built Python validation & automation scripts → 25–30% time savings
- Performed model drift RCA → reduced repeat errors 12–18%
- Owned S3 dataset versioning & daily retraining feedback loop

Narwin — Trainee | Nov 2023 – Apr 2024

- Built predictive Excel dashboards → 20% faster reporting

KEY PROJECT

Sana — 100% Offline Voice AI Assistant (Llama3.1 + LLaVA + Whisper)

- 500+ voice commands, 2–3s latency, zero cloud, zero data leaks
- GitHub → github.com/saisatwi/sana

EDUCATION

MCA – Andhra University

B.Sc. Computer Science – Adikavi Nannaya University