

KANIT MANN

Phoenix, AZ | 5202484822 | mannkanit@gmail.com | [linkedin.com/in/kanitmann](https://www.linkedin.com/in/kanitmann) | github.com/kanitmann01 | kanit.codes

Summary

Machine Learning Engineer with 2 years of engineering experience, specializing in building hybrid AI systems and deploying generative AI solutions. Proficient in Python, PyTorch, TensorFlow, PySpark, and container orchestration, with hands-on expertise integrating structured models and NLP classifiers. Proven ability to optimize ML workflows and deliver real-time threat intelligence platforms.

Experience

Invisible Technologies | *AI Evaluator & Trainer*

Jul 2026 - Present

- Performed comparative performance analysis using Excel and Python, evaluating output accuracy of the Audio Virtual Agent across successive iterations, which identified key accuracy gaps and guided model refinements
- Synthesized model output data, audio files, and JSON transcripts with Python, delivering detailed technical feedback that accelerated natural language model refinement and improved overall response quality

Netstar Inc. | *Machine Learning Engineer (Capstone)*

Jan 2026 - May 2026

- Engineered an enterprise-grade automated threat intelligence platform with a hybrid detection architecture that combined a FastText NLP classifier, structured ML models, and algorithmic distance rules which accelerated threat detection and reduced manual analysis time
- Analyzed 1 billion phishing URLs and orchestrated a containerized environment to support real-time telemetry on a live analytics dashboard, integrating NetSTAR and PhishStats APIs to dynamically enrich zero-day threat evaluation, thereby improving the speed and accuracy of threat assessments

Ericsson India Global Limited | *Engineer, Cloud and Infra*

Feb 2023 - Dec 2024

- Led the migration of 2,000+ servers to Google Cloud Platform for one of Ericsson's largest lift-and-shift projects, completing the transition ahead of schedule
- Maintained 99% application functionality and service uptime during the transition by monitoring with Prometheus and applying rapid incident response
- Implemented Cloud Cost Optimization Policy using CUD across infra to increase cost efficiency and decrease performance incidents, leveraging Spark for infra cost analysis pipelines
- Configured and optimized DNS settings using Google Cloud DNS, lowering network latency and cutting the number of network-related tickets

Tata Power | *Data Science Intern*

Jul 2021 - Sep 2021

- Analyzed data from 400+ employees and used outputs to launch an Employee Transfer Dashboard that was projected to impact 1000+ employees pan-India

Skills

- Languages:** Python, SQL, C++, JavaScript, R
- Data Ai:** PyTorch, Scikit-Learn, Pandas, NumPy, PySpark, dbt, TensorFlow, FAISS, Spark
- Cloud Tools:** Google Cloud Platform (GCP), Docker, Git, Tableau, MongoDB, Excel, Power BI, Google Looker Studio, Snowflake, Elasticsearch
- Concepts:** A/B Testing, Causal Inference, ETL Pipelines, Generative AI (LLMs), Agile, Retrieval-Augmented Generation (RAG), Information Retrieval Systems

Projects

Real-Time Twitch Analytics Pipeline | [Real-Time Twitch Analytics Pipeline](#)

Jan 2026

- Engineered an end-to-end ELT pipeline for Age of Empires II viewership by orchestrating Twitch API ingestion via Apache Kafka, Apache Airflow, and Python; loaded raw JSON into Snowflake and transformed data with dbt to power real-time analytics dashboards in Looker Studio
- Implemented monitoring dashboards with SQL and Tableau APIs, instrumenting data quality checks, latency telemetry, and cost metrics to ensure pipeline reliability at scale

College Major & Wage Analysis | [College Major & Wage Analysis](#)

Sep 2025

- Processed 45M+ US Census records (IPUMS 2009-2023) using PySpark and SQL on GCP, built ETL workflows to quantify correlation between wage growth and major selection
- Designed and executed statistical analysis in R and Python, including regression models and visualizations with Matplotlib and Seaborn, to communicate key insights to stakeholders

VoiceBridge - Real-Time Speech Translation

Mar 2025

- Developed a multilingual speech-to-speech translation app using Whisper ASR, NLLB-200, and MMS-TTS for real-time, AI-driven communication

Education

University of Arizona | *Master of Science, Data Science* (GPA: 3.75)

Tucson, AZ May 2026

Vellore Institute of Technology | *Bachelor of Technology, Computer Science Engineering* (GPA: 3.42)

Vellore, India Aug 2023

Leadership & Awards

University of Arizona Campus Store | *Student Lead*

Oct 2025 - May 2026

- Manage daily store operations and student teams; lead a team of 10 students as primary lead for registers, performing supervision duties while also training members to be proficient with POS technology.

RoboVITics | *Board Member*

2021 - 2022

- Directed collaborations and outreach for the campus robotics club, impacting over 250 students; Organized 10+ events and workshops, including Equinox, a global MLH-partnered hackathon with 800+ registrations.