

NISHANK SWAMY DAULATH NANJUNDA

Data Analyst · Product Analyst · BI & Analytics

☎ +49 176 466 48531

✉ nishankde@gmail.com

Berlin, Germany

[LinkedIn](#)

[GitHub](#)

Professional Summary

Data and product analyst with three years of full-time experience turning product and operational data into decisions — **SQL** and **Python** analysis, **ETL** pipelines, **A/B testing**, forecasting, and **Tableau/Power BI** reporting used daily by product and business stakeholders. Currently completing an MSc in Berlin; the dissertation applies controlled experimental design to a 2.5M-row classification problem on AWS. English C2, German B1 and improving.

Core Competencies

SQL and Python for data analysis and reporting • ETL pipeline design and optimisation • data quality checks and reporting accuracy • dashboards and management information • KPI design • A/B testing and statistical inference • forecasting and predictive modelling • cohort and funnel analysis • stakeholder communication • technical documentation • structured, independent working style • fluent English (C2)

Work Experience

Product Analyst

Nov 2019 – Aug 2022

Autre Learning LLP, India

- Analysed product and operational data in **Python** and **SQL** to answer roadmap questions — segmenting user behaviour, sizing feature opportunities against competitor benchmarks, and presenting prioritisation recommendations to founders; **user engagement grew 20%**.
- Cut reporting errors and improved **KPI accuracy by 35%** by replacing manual spreadsheets with governed **Tableau** and **Power BI** dashboards covering activation, retention and revenue, giving stakeholders self-serve access to metrics they previously requested ad hoc.
- Reduced query runtime and lifted **database performance by 40%** by profiling and rewriting slow SQL, adding indexes, and restructuring the **ETL pipelines** feeding the analytics layer, which made daily reporting viable at peak load.
- Ran recurring **data quality checks** across the reporting layer and documented pipeline logic and metric definitions in **Confluence** and **Jira**, so downstream teams could trace any number back to its source.
- Improved demand-forecast accuracy by building and validating time-series and regression models in **Python (Pandas, Scikit-learn)**, enabling proactive **resource planning and allocation**.
- Designed and ran **A/B tests** end to end — hypothesis, sample sizing, significance testing and a written recommendation — so feature decisions rested on evidence rather than opinion.

Projects

- ML Intrusion Detection on AWS:** 0.972 macro F1 across seven classes on a 2.5M-row, 1,075:1 imbalanced dataset. Full AWS pipeline — ingestion, preprocessing, model serving on Lambda under least-privilege IAM, with a **Streamlit** console for monitoring. Model selected through four controlled experiments with three-seed stability testing. github.com/nishankswamy/cloud-nids-msc
- Sales Forecasting Model:** Supervised ML pipeline in **Python (Scikit-learn, Pandas)** covering feature engineering, cross-validation and error analysis; reduced inventory waste by 22% and improved demand-forecast accuracy.
- Deepfake Detection — Generalisation Failure:** EfficientNet-B0 classifier investigating cross-generator generalisation failure, using **Grad-CAM** to diagnose where model attention diverges. github.com/nishankswamy/deepfake-detection-generalization

Publications

An Automated Oven: AI in Smart Devices — Researched the integration of **AI**, **computer vision** and **IoT** in smart home appliances.

Education

MSc Cyber Security

Arden University, Berlin, Germany
May 2026 – April 2027 (expected)

MSc Applied Computer Science

85 ECTS completed
Hochschule Schmalkalden, Germany
Oct 2022 – Mar 2026

BE Computer Science & Engineering

AMC Engineering College, India
Aug 2017 – Aug 2021

Languages

English: C2 **German:** B1

(working toward B2)

Skills

Languages, Data & Cloud

SQL (advanced), Python (Pandas, NumPy, Scikit-learn, Matplotlib), MySQL, PostgreSQL, AWS, Google Cloud Platform, BigQuery, ETL pipeline design, data cleaning and modelling, data quality monitoring

Analytics Methods

A/B testing, statistical inference, predictive modelling, forecasting, cohort and funnel analysis, KPI design

BI & Visualisation

Tableau, Power BI, advanced Excel, PowerPoint, Streamlit

Ways of Working

Agile (Scrum), Jira, Confluence, Git/GitHub, Microsoft 365, stakeholder communication, technical documentation

Certifications & Awards

- Google Data Analytics Professional Certificate (2023)
- Microsoft Java Programming Certificate (2023)
- National Level Best Project Award — JIT & AntStack (2021)
- National Project Rank #1 — Dr. TTIT (2021)