

Nishanth Narayanan

✉ nishanthnishk2020@gmail.com

☎ +49 176 35650933

🌐 linkedin-nishanth

📍 Nuremberg, Germany

🐙 github.com/Nishk23



EXECUTIVE SUMMARY

- Data Science and AI Professional with 4+ years of hands-on experience developing LLM-driven systems, scalable data pipelines, and KPI reporting tools in IT and industrial settings. Proficient in delivering end-to-end AI and analytics solutions, from prototyping to deployment, within agile, cross-functional teams.
- Proven ability to translate technical work into measurable business results, delivering AI systems that cut operational failures by 35%, manual analysis by 40%, and enable real-time KPI visibility across teams.

PROFESSIONAL EXPERIENCE

Business Data Scientist

Allianz Technology

11/2024 – 10/2025

Full-time, Munich,
Germany

- Reduced SLA service violations by 35% using an LLM-powered monitoring system with time-series forecasting, leveraging LangChain, AWS Functions, and Docker CI/CD on AWS DevOps, delivering iteratively within an agile team.
- Developed a production RAG system using internal SLA datasets with an ML lifecycle, integrated with a Streamlit app for natural-language queries, reducing manual analysis by 40% and ensuring service reliability for 500+ services.
- Designed RAG evaluation workflows measuring answer quality and hallucinations, enhancing response accuracy by 15% through A/B testing of prompts and retrieval.
- Led EU AI Act and DORA compliance across 2 internal AI systems, implementing model audit logging, access controls, and data lineage tracking end-to-end.

Data Analyst

Innomotics GmbH

04/2023 – 09/2023

Part-time, Nuremberg,
Germany

- Integrated SAP S/4HANA operational data with Power BI using dbt models, increasing reporting efficiency by 15% and providing real-time KPI visibility to finance teams.
- Designed and deployed 2 KPI dashboards using DAX and Power Query, which are used daily by 10+ analysts to monitor procurement performance metrics and support operational decisions.
- Automated monthly operational reports using Python, SQL, and Airflow, cutting generation time by 75% and ensuring reliable data for stakeholders.
- Standardized cross-functional data pipelines using Python, SQL, and dbt, reducing inconsistencies by 20% and enabling aligned KPI tracking across 3 business units.

Junior Data Analyst

Cognizant Technology Solutions

03/2021 – 08/2022

Full-time, Chennai,
India

- Created Power BI reports for monthly operational KPIs, integrating 500GB+ data via Databricks and PySpark, reducing reporting time from 45 to 29 minutes (35%).
- Orchestrated enterprise ETL pipelines using Apache Airflow and Databricks Jobs, improving workflow reliability and reducing end-to-end processing time 30%.
- Created scalable data transformation workflows using Python and PySpark, leading to an 18% increase in operational efficiency for downstream analytics.
- Migrated Excel-based reporting to PostgreSQL and Databricks pipelines, removing manual steps and cutting data inconsistencies by 15%.

Machine Learning Engineer

Tactii and TactLabs

07/2019 – 10/2019
Part-time, Toronto,
Canada

- Trained computer vision models on 100K+ images using PyTorch and OpenCV, increasing object detection accuracy by 15% across 8 product categories.
- Built supervised and unsupervised feature pipelines in Scikit-learn, reducing feature noise by 20% and lowering model convergence time by 30%.
- Developed an NLP-based automation tool for reporting workflows using spaCy and Python, cutting manual reporting effort by 25% for a 5-person Ops team.
- Tuned model hyperparameters using 5-fold cross-validation and L2 regularization, improving validation accuracy by 12% across 3 benchmark datasets.

SKILLS

Programming & Tools: Python (Pandas, NumPy), SQL, MS Office (Excel, Word)

Statistical & Data Analysis: Exploratory Data Analysis, Time Series Analysis, Power BI, Tableau, Alteryx

Machine Learning & NLP: OpenCV, PyTorch, TensorFlow, HuggingFace, LLMs, Transformers

Data Engineering: Apache Airflow, dbt, Databricks, PySpark, MySQL, PostgreSQL, MLflow

Automation & AI: Generative AI, MCP, LangChain, Copilot, Power Automate

Cloud Services: Amazon Web Services (AWS), Microsoft Azure

CI/CD & Version Control: Git, Docker, CI/CD Pipelines, SonarQube

Soft Skills: Communication, Stakeholder Collaboration, Business Acumen, Teamwork

PROJECTS & PUBLICATION

Federated Learning for Healthcare: Evaluating Client Contribution and Fairness with Heterogeneous Medical Data (Master Thesis) [↗](#) 10/2025

Friedrich Alexander Universität Erlangen-Nürnberg

Automatic Personality Recognition System using Time Distributed CNN (Bachelor Thesis) [↗](#) 03/2021

Anna University

CERTIFICATIONS

• Alteryx Designer
Advanced

• AWS Cloud
Practitioner

• IBM Data Science
Professional

• Tableau Desktop
Advanced

EDUCATION

Masters - Data Science (Specialization in AI/ML) Erlangen, Germany
Friedrich Alexander Universität Erlangen-Nürnberg

Bachelors - Computer Science and Engineering Chennai, India
Anna University

LANGUAGES

English
C1

German
B1