

ADHISH NANDA

Data | Analytics | AI & ML
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PROFESSIONAL SUMMARY

Data and analytics professional with around 2.5 years of industry experience in BI reporting, ETL automation, and KPI dashboards, completing an MSc in Data Science in Berlin (graduating August 2026). Built Power BI dashboards and Python data pipelines at NIIT across enterprise programmes. Recent work includes a production-grade analytics engineering stack in dbt and BigQuery, a data-engineering pipeline on the German job market, and an MSc thesis on a governance-first RAG system that cut LLM generation cost by 72.2 percent through adaptive routing while retaining full quality. Five peer-reviewed publications in IEEE and Springer. Available immediately, EU Blue Card eligible on a qualifying offer, no sponsorship required.

CORE SKILLS

Programming: Python (Pandas, NumPy, scikit-learn), SQL
Analytics Engineering & Data: dbt Core, BigQuery, DuckDB, ETL, Apache Airflow, Parquet, data modelling (Kimball star schema)
BI & Visualisation: Power BI, Tableau, Looker Studio, Streamlit, Excel (Power Query, Pivot Tables)
Machine Learning & AI: Regression, Classification, Clustering, NLP, Recommendation and Ranking, RAG, Feature Engineering, Cross-Validation
Deep Learning: PyTorch, Transformers (DistilBERT), CNNs, TensorFlow (academic)
Serving & Tooling: FastAPI, Docker, Redis, Git, GitHub Actions, RAGAS, Jupyter

PROFESSIONAL EXPERIENCE

Solutions Design Lead, Data & Analytics <i>NIIT Ltd (StackRoute), Bangalore, India</i>	02/2022 – 09/2024
- Designed 20-plus machine learning case studies across regression, classification, clustering, and NLP for enterprise learning programmes - Built 6 to 7 Power BI dashboards with SQL reporting for programme KPIs and executive visibility - Wrote Python scripts for data transformation, validation, and reporting to reduce manual work and standardise data quality - Contributed to presales solutioning: feasibility analyses, stack recommendations, and solution design for client proposals - Acted as the data and analytics point of contact for 40 to 50 enterprise clients and supported 20 to 30 programme staff	
Business Intelligence / Data Analyst Intern <i>NIIT Ltd (Learning Science & Technology), Gurugram, India</i>	07/2021 – 01/2022
- Built interactive Power BI dashboards for KPI transparency and executive reporting across divisions - Automated recurring reporting workflows with Python, removing manual steps from reporting cycles - Validated programme metrics with SQL and maintained documentation for audit readiness	
Marketing Data Analyst Intern <i>Weaddo, Gurugram, India</i>	03/2021 – 05/2021
- Used regression and funnel analysis on multi-channel marketing data to find conversion drivers - Tracked ROAS, CPA, CAC, and conversion rate in Python, and built Tableau dashboards for live campaign monitoring	
Data Research Intern <i>Amity Institute (AIISH), Gurugram, India</i>	06/2019 – 08/2019
- Built a CNN image-classification pipeline for breast cancer detection, contributing to a Springer paper - Cleaned and processed clinical datasets in Python, SQL, and R, handling class imbalance and normalisation	
Research Assistant <i>Anandlal Electric Pvt. Ltd., Bangalore, India</i>	01/2017 – 06/2017
Built a time-series regression model for Li-Ion battery state-of-charge estimation, published in AJAST	

SELECTED PROJECTS

Cost-Aware, Governance-First RAG System (MSc Thesis) Python, FastAPI, Docker, FAISS, BM25, Cross-Encoder Reranking, Ollama, RAGAS github.com/adhishnanda/cost-aware-governance-rag	Apr 2026 – Aug 2026
- Built hybrid retrieval (symbolic exact-match, BM25 and FAISS fusion, cross-encoder reranking) reaching 0.97 context precision on a 25-query gold set - Designed adaptive LLM routing that cut generation cost by 72.2 percent versus an always-expensive baseline while retaining 109.4 percent of baseline quality - Served through FastAPI and Docker with a Streamlit dashboard, across the EU AI Act, GDPR, NIST AI RMF, and ISO/IEC 42001	
End-to-End dbt Analytics Stack, Olist E-Commerce dbt Core, BigQuery, SQL, GitHub Actions, Looker Studio github.com/adhishnanda/ecommerce-dbt-stack	May 2026
- Built a Kimball star schema in dbt (15 models across staging, intermediate, marts) on 100,000-plus real orders in BigQuery - Ran 94 automated data quality tests through GitHub Actions CI on every pull request - Shipped a live Looker Studio dashboard covering revenue, delivery, geography, and product categories	

German Job Market Analytics
DuckDB, Apache Airflow, GitHub Actions, Streamlit, Python | github.com/adhishnanda/german-job-market-analytics

- Ingested three live sources into a DuckDB warehouse of 574 canonical records, with a daily refresh via Airflow and GitHub Actions
- Guarded data quality with 347 automated tests and surfaced hiring trends in a live Streamlit dashboard

2026

Personalised News Feed Ranking System
Python, LightGBM, FastAPI, Redis, DuckDB, Streamlit | github.com/adhishnanda/news-feed-ranking-system

- Built a full ranking pipeline with point-in-time features, a LightGBM ranker, and multi-objective reranking
- Served features from a Redis store behind FastAPI and evaluated with IPS and SNIPS counterfactual estimation, backed by a 43-test suite

Mar 2026 – May 2026

EDUCATION

MSc Data Science
University of Europe for Applied Sciences, Berlin, Germany

- Thesis: Design and Evaluation of a Cost-Aware, Governance-First RAG System with Adaptive LLM Routing and Counterfactual Evaluation. Supervised by Prof. Dr. Iftikhar Ahmed and Prof. Dr. Talha Ali Khan.
- Areas: Machine Learning, Data Engineering, Cloud Computing (AWS), NLP, Data Visualisation

09/2024 – 08/2026 (expected)

MTech Data Science
Amity University, Gurugram, India

- Thesis: Transaction Scheduling using Machine Learning. Research output: two IEEE publications.

08/2018 – 07/2020

Postgraduate Summer Programme, Machine Learning & Analytics in Finance
Ludwig-Maximilians-Universitaet Muenchen (LMU), Germany

08/2019 – 09/2019

BE Electronics & Communication Engineering
MVJ College of Engineering (VTU), Bangalore, India

- Final-year project on Li-Ion battery state-of-charge estimation, published in AJAST.

08/2013 – 07/2017

PUBLICATIONS

- A Comprehensive Survey of Machine Learning in Scheduling of Transactions. IEEE, 2020.
- Analysis of Breast Cancer Detection Techniques Using RapidMiner. Springer, 2020.
- A Comprehensive Survey of OLAP: Recent Trends. IEEE, 2019.
- Implementing a Smart-Vehicle using IoT and Cloud Computing Extension. AJAST, 2017.
- SOC Estimation of Lithium-Ion Batteries used in Electric Vehicles. AJAST, 2017.

CERTIFICATIONS & LANGUAGES

Certifications: DeepLearning.AI TensorFlow Developer (Coursera); IBM Data Science Professional Certificate (Coursera); Microsoft Power BI Desktop (Udemy); Tableau A-Z for Data Science (Udemy)
Languages: English (fluent), German (A2, improving), Hindi (native), Bengali (native)