Denisbhai Rasikbhai Kathiriya

SchenkendorfStraße 18, 56068 Koblenz, Germany
deniskathiriya@gmail.com | +49 155 60740087
linkedin.com/in/deniskathiriya
Geburtsdatum / Date of Birth: 31.03.2004 | **Nationalität / Nationality:** Indisch / Indian

Kurzprofil / Professional Summary

Enrolled M.Sc. E-Government student with over 1 year of hands-on data analytics experience through internships, specializing in Python, SQL, Power BI, and Tableau. Proven track record of delivering analytics solutions that improved decision-making speed by over 15% and enhanced data comprehension by 20%. Experienced in building interactive dashboards, automating ETL workflows, and applying statistical modeling for actionable insights. Known for analytical thinking, meticulous attention to detail, and effective communication with diverse stakeholders.

Ausbildung / Education

M.Sc. E-Government 10/2024 – Present
Universität Koblenz, Koblenz, Deutschland
Relevante Kurse / Relevant Courses: Machine Learning & Data Mining, Data Science, Big Data, Artificial Intelligence, IT Risk Management, Data Analysis, Policy Analysis and Modeling, Enterprise Architecture, Business Intelligence

Bachelor of Computer Application 10/2021 – 05/2024
Veer Narmad South Gujarat University, Gujarat, Indien
Relevante Kurse / Relevant Courses: Computer Programming, Web & App Development (Python, Java, .NET, C, C++), Data Analysis, Data Structures & Algorithms, Data Modeling
GPA: 1.6

Kenntnisse / Skills

Programming & Data:	Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn), SQL (joins, CTEs, window functions, performance tuning), R (basics), Excel VBA (automation)
BI & Visualization:	Power BI, Tableau, Excel (advanced formulas, macros, Power Query, PivotTables, data modeling), KPI design, dashboard development, interactive reporting, data storytelling
Databases:	PostgreSQL, MySQL, Google BigQuery (familiarity), Microsoft SQL Server
Data Workflows:	ETL processes, data cleaning & wrangling, exploratory data analysis (EDA), workflow automation, collaborative development with Git/GitHub, Jupyter Notebook, VS Code
Analysis Methods:	Statistical analysis, statistical modeling, hypothesis testing, A/B testing, regression/classification, forecasting, trend analysis, time-series analysis, data quality management
Cloud & Tools:	Google Cloud Platform (BigQuery, Looker Studio), AWS S3, Microsoft Azure Data Studio (familiarity)
Soft Skills:	Analytical thinking, attention to detail, teamwork, stakeholder communication, problem solving, adaptability, time management
Languages:	Englisch (C1 – fließend), Deutsch (B1 – gute Kenntnisse)

Berufserfahrung / Professional Experience

Intern – Data Analytics 10/2023 – 03/2024
NopCypher, Indien

- Built automated dashboards in **Power BI** and **Excel** using DAX, Power Query, and Python scripts; improved data comprehension by **20%**.
- Developed KPI tracking reports that reduced decision-making time by **15%** and increased insight adoption across business units.

- Designed and optimized **SQL** queries for faster, more accurate data retrieval; integrated results into **Power BI** dashboards for management reporting.
- Collaborated with stakeholders to refine reporting requirements and streamlined the **ETL pipeline**, cutting preparation time by **20%**.

Intern – Data Analytics 04/2023 – 09/2023
Actize IT, Indien

- Analyzed mobile network performance data using **SQL** and visualized KPIs in **Tableau** dashboards for technical teams.
- Automated reporting workflows using **SQL** and ETL scripts, reducing analysis time by **30%**.
- Developed performance monitoring dashboards for network diagnostics using **Tableau** and **Excel**, improving operational visibility.
- Provided data-driven recommendations for the **ETCS rail diagnostics** project to optimize maintenance and reduce downtime.

Projekte / Projects

Business Forecasting & Demand Prediction (Retail Supply Chain)

- Collected and cleaned 2+ years of retail sales data using **Python (Pandas, NumPy)** and SQL for ETL pipelines.
- Applied **XGBoost, ARIMA, and Linear Regression** models to forecast weekly product demand with 85%+ accuracy.
- Designed interactive dashboards in **Power BI** with Data Modeling to visualize demand trends across regions and product categories.
- Helped optimize inventory planning, reducing stock-outs by 15% and lowering excess inventory costs by 10%.

Customer Segmentation & Churn Prediction

- Preprocessed large customer transaction datasets using **SQL** queries and **Python (Pandas, Scikit-learn)**.
- Implemented **K-Means Clustering** for customer segmentation and built **Logistic Regression / Random Forest** models for churn prediction.
- Visualized customer segments and churn risk in an interactive **Tableau** dashboard for the marketing team.
- Increased campaign targeting efficiency by 20% and improved retention strategy by identifying high-risk customers.

IoT Sensor Data Analytics (Predictive Maintenance in Automotive)

- Processed and analyzed time-series IoT sensor data from automotive machinery using **Python (Pandas, Seaborn)** and SQL queries.
- Built anomaly detection models with **Isolation Forest and ARIMA** to identify early signs of machine failures.
- Created real-time dashboards in **Power BI** to monitor sensor KPIs, integrating predictive alerts for maintenance teams.
- Improved fault detection accuracy by 90% and reduced machine downtime by an estimated 12%, supporting cost savings in operations.

Zertifikate / Certificates

Scientific Computing with Python — freeCodeCamp), 2022
Excel Beyond Basic — Veer Narmad South Gujarat University(VNSGU), 2023
Cryptography Fundamental — Veer Narmad South Gujarat University(VNSGU), 2023
IBM Python for Data Science, AI & Development Certificate — IBM / Coursera, 2023
Google Data Analytics Professional Certificate — Google / Coursera, 2024
Power BI for Data Analytics — Veer Narmad South Gujarat University(VNSGU), 2024
Data Manipulation in Python: Master Python,Numpy and Pandas — Udemy, 2025

Zusätzlich / Additional

Relevant Interests: Data Analytics, BI Dashboards, Machine Learning Applications, Data Visualization
Professional Memberships / Competitions: Finalist, University Data Visualization Challenge (BCA Program); Participant, 24-hour Predictive Analytics Hackathon (Python, Scikit-learn)