AKASH KUMAR NAYAK

Data Analyst | SQL • Python • Power BI • Machine Learning

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[LinkedIn](#) • [GitHub](#) • [Portfolio](#) • [Internship](#)

PROFESSIONAL SUMMARY

Analytical and performance-driven **Data Analyst** skilled in **SQL, Python, Power BI, and Machine Learning**. Adept at transforming raw data into insights that improve decision-making and efficiency. Delivered measurable impact, improved model accuracy by **42%**, reduced reporting time by **30%**, and created dashboards supporting **strategic KPIs**. Strong communicator with a problem-solving mindset who turns complex data into business value.

TOOLS & TECHNOLOGIES

- **Data Analytics:** Data Cleaning, Exploratory Data Analysis (EDA), Feature Engineering, KPI Design, Statistical Analysis
- **Programming & Querying:** Python (Pandas, NumPy, Scikit-learn), SQL, DAX, ETL, Data Modeling
- **Visualization & Reporting:** Power BI, Tableau, Excel (Advanced formulas, Pivot Tables, Dashboards), Streamlit
- **Machine Learning:** Regression, Classification, Model Evaluation, Forecasting, XGBoost, Random Forest
- **Tools & Platforms:** Jupyter Notebook, GitHub, MySQL, PostgreSQL, Google BigQuery (Basics)
- **Soft Skills:** Problem Solving, Data Storytelling, Communication, Collaboration, Process Improvement, Time Management

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PROFESSIONAL EXPERIENCE

Data Analyst Intern – Cognifyz Technologies | Aug 2024 – Sep 2024

- Built a regression model on 200 K Uber ride records to predict fares, achieving $R^2 = 0.86$ and improving accuracy by 42%.
- Engineered data features (trip duration, pickup zones, time-of-day) to enhance interpretability and model precision.
- Designed a pricing optimization report that helped refine fare structures and improve demand forecasting.
- Automated the reporting pipeline and documentation, increasing analytical turnaround speed by 30%.

ACADEMIC PROJECTS

Employee Attrition Analytics Dashboard | Python • Power BI • Streamlit • XGBoost | Mar 2025 – Apr 2025 | [Link](#)

- Analyzed 15 K employee records to uncover attrition drivers by role, tenure, and pay band.
- Balanced data using under-sampling and increased model accuracy from 95% → 97%.
- Designed an interactive Power BI dashboard with 8 KPIs tracking attrition risk by department.
- Empowered HR teams to build retention strategies that cut attrition by 15%.

USA Regional Sales Performance Analysis | *Python • Pandas • Power BI • SQL | Aug 2025 – Sep 2025 |* [Link](#)

- Processed 64 K records from 6 data sources and built a unified Power BI reporting system.
- Developed 12+ KPIs measuring revenue, margin, and budget variance; improved budgeting accuracy by 25%.
- Automated data validation and DAX calculations, reducing reporting time by 18%.

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science | Gandhi Engineering College, Bhubaneswar | 2025

CGPA – 7.6 / 10

Relevant Coursework: Statistics • Data Structures • AI • Database Management

CERTIFICATIONS

Google Data Analytics – Coursera | 2024 | **[Certificate](#)**

8 case-based projects covering SQL, dashboard design, and presentation of insights.

IBM Machine Learning – Coursera | 2025 | **[Certificate](#)**

6-course track on regression, clustering, and time-series analysis using Python