AKASH KUMAR NAYAK

Data Scientist | SQL • Python • Power BI • Machine Learning • NLP

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PROFESSIONAL SUMMARY

Analytical and performance-driven **Data Scientist skilled in Python, SQL, Power BI, and Machine Learning**. Hands-on experience in **developing end-to-end data science projects** including **predictive modeling, NLP, and clustering**. Proven ability to translate raw data into actionable insights, automate analytics workflows, and deploy interactive ML applications using Streamlit. Passionate about driving data-backed business decisions and continuous learning. Certified in Google Data Analytics and IBM Machine Learning, with expertise in applied data science.

TOOLS & TECHNOLOGIES

- **Programming & ML:** Python (Pandas, NumPy, Scikit-learn, NLTK), SQL, XGBoost, Random Forest, TF-IDF, K-Means, PCA
- **Analytics & BI:** Power BI, Tableau, Excel (DAX, Pivot Tables, Dashboards), Streamlit
- **Data Engineering:** ETL, Data Modeling, Google BigQuery (Basics), Jupyter Notebook
- **ML Lifecycle:** Data Cleaning, EDA, Model Training & Evaluation, Deployment
- **Soft Skills:** Problem Solving, Data Storytelling, Collaboration, Communication

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PROFESSIONAL EXPERIENCE

Data Science Intern – Uber Mentormind | Sept 2025 - Nov 2025 | Link
- 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 Power BI reporting and data pipelines, reducing analytical turnaround by 30%.

ACADEMIC PROJECTS

Employee Attrition Analytics Dashboard | Python • Power BI • Streamlit • XGBoost | 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 that empowered HR teams to build retention strategies that cut attrition by 15%.

Email Spam Classifier | NLP & Streamlit | Link
- Developed and deployed an NLP-based spam classifier (~99% accuracy) using TF-IDF and Naive Bayes.
- Built an interactive Streamlit app for real-time email classification and prediction visualization.
- Showcased end-to-end ML lifecycle expertise, from data cleaning and model training to deployment and documentation.

Customer Segmentation | K-Means & PCA | Link
- Applied unsupervised learning (K-Means, PCA) to identify key customer clusters for targeted marketing.
- Developed and deployed an interactive Streamlit application for real-time customer segmentation and business insight generation, demonstrating full-cycle ML project deployment skills.

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