Aryan Kansal

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Projects

PROFESSIONAL SUMMARY

Detail-oriented Data Analyst with hands-on experience in Python, SQL, Power BI, and Machine Learning. Proficient in data cleaning, statistical analysis, data visualization, and predictive modeling, with a track record of improving forecasting accuracy and operational efficiency. Skilled in ETL processes, DAX functions, and Power Query, optimizing data processing workflows by up to 40%. Adept at developing interactive dashboards and deriving actionable insights from large datasets (100,000+ rows), enhancing decision-making and business strategies. Strong communicator with a focus on stakeholder engagement, leveraging data-driven solutions to drive business growth and customer retention.

EDUCATION

PG Program in Data Analytics, Machine Learning and Neural Networks, *Data Trained* — 08/2024 – 06/2025

Bachelor's in Computer Applications CGPA - 7.58, *Indra Gandhi National Open University* — 07/2021 – 07/2024

PROFESSIONAL EXPERIENCE

Power Bi Intern, *Cognifz* — 02/2025 – present
- Conducted exploratory data analysis (EDA) on 50,000+ data points, identifying key investment behavior trends and improving forecasting accuracy by 25%.
- Utilized DAX functions and Power Query to compute statistical metrics (e.g., average age, investment distributions), enhancing data accuracy by 35% and reducing reporting errors.
- Performed data extraction, transformation, and loading (ETL) in Power BI, improving data processing efficiency by 40% and reducing manual data handling time by 30%.

Data Analyst Intern, *Kulture Hire* — 10/2024 – 12/2024
- Analyzed customer transaction trends, delivering actionable insights to stakeholders and contributing to a 10% improvement in customer retention strategies.
- Improved data analysis workflows, reducing report generation time by 30% and increasing operational efficiency.
- Utilized SQL and Python for data extraction, transformation, and visualization, ensuring accurate and efficient reporting.

Data Analyst Intern, *Code Alpha* 🔗 — 09/2024 – 10/2024
- Cleaned and preprocessed large datasets (100,000+ rows), handling missing values, outliers, and inconsistencies to improve data quality and integrity.
- Developed an LSTM-based stock price prediction model, boosting prediction accuracy by 15% compared to the baseline model.
- Conducted exploratory data analysis (EDA), deriving actionable insights and presenting findings to stakeholders, significantly enhancing forecasting strategies and decision-making processes.

SKILLS SUMMARY

Languages: Python, SQL , C++ , Java

Data Analysis & Visualization:: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Excel

Databases & Tools:: MySQL, SQL Server Management Studio (SSMS), Google Colab, Jupyter Notebook, PyCharm, Visual Studio, IntelliJ IDEA

Machine Learning & Deep Learning:: Scikit-Learn, TensorFlow, Deep Learning, Feature Engineering, Predictive Modeling

Data Science & AI:: Natural Language Processing (NLP), NLTK, Computer Vision, Neural Networks

Soft Skills: Problem-solving, Analytical Thinking, Communication, Attention to Detail, People Management

PROJECTS

Cricket Data Analytics Project, *Web Scarping   Python   Excel   Power Bi* 🔗 — 09/2024 – 11/2024
- Extracted and processed over 20,000 data points from ESPNcricinfo using Python, building a structured dataset with more than 100,000 rows for in-depth analysis.
- Analyzed player statistics from 50+ T20 World Cup 2023 matches using Pandas and Power BI, uncovering key performance trends and actionable insights.
- Developed and enhanced an interactive Power BI dashboard with 10+ visualizations, enabling real-time exploration of 20+ metrics for strategic decision-making.

Credit card financial dashboard, *Power BI   SQL   EXCEL* 🔗 — 07/2024 – 08/2024
- Designed and improved an interactive Power BI dashboard to provide real-time financial insights from customer transaction data, streamlining decision-making.
- Optimized data analysis workflows, reducing report generation time by 30% and boosting operational efficiency.
- Delivered actionable insights to stakeholders, driving a 10% improvement in customer retention strategies.

CERTIFICATES

- Exploratory Data Analysis By Infosys 🔗
- Data Structure with C++
- Excel for Intermediate – Great Learning 🔗
- Data Science With Python – Great Learning 🔗
- SQL for Data Science – Great Learning 🔗
- Artificial Intelligence with Python – Great Learning 🔗