Data Analyst / Data Scientist

ANKIT GUPTA

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GitHub - Projects

Skills

Technical skills:
- Python / R (pandas, numpy, sklearn)
- SQL (PostgreSQL, BigQuery)
- Tableau / Power BI (data visualization)
- Microsoft Excel (advanced)
- HTML, CSS (web development)

Techniques:
- Machine Learning (algorithms)
- Statistics (descriptive, inferential)
- Data Science (EDA, ETL)
- Web Scrapping (data collection)
- Natural Language Processing

Functional skills:
- Problem-solving
- Analytical thinking
- Presentation skills
- Ops. management
- Requirement gathering

Projects

AUTOMATED ML WEBAPP – Personal project - (link)   Jul 2024 – Dec 2024
- Built an ML web app using **Streamlit, Pandas, Numpy, Scipy, Sklearn** to automate data prep, analysis, & model deployment.
- **Prepared data** with EDA, scaling, transformations, encoding, feature selection, PCA, and imbalance handling.
- Applied regression and classification algorithms to generate reports and **recommend best-fit models**.
- Enabled non-technical users to preprocess data and deploy models with ease.

DATA ETL PIPELINE – Personal project - (link)   Jan 2024 – Mar 2024
- Developed a **Python** and **SQL** based ETL pipeline to extract, transform, and load data across CSVs, JSONs, APIs, & databases.
- **Cleaned** and **transformed datasets** using Pandas/Numpy, ensuring data consistency and usability.
- Performed data visualization and faster reporting to **deliver structured, actionable insights**.

MUSIC STORE SALES ANALYSIS – Personal project - (link)   Sept 2023 – Oct 2023
- Extracted data from 11 related tables using **SQL JOINs**, **SUBQUERIES**, and **CTEs** for customer sales analysis.
- **Transformed** and **filtered data** with **GROUP BY** and **WINDOW** functions to enhance reporting efficiency.
- Generated insights to identify trends and **optimize sales performance**.

SENTIMENT ANALYSIS ON PRODUCT REVIEWS – Personal project - (link)   Nov 2023 - Dec 2023
- Scraped e-commerce product reviews using **rvest** in **RStudio** and performed sentiment analysis on the dataset.
- **Cleaned** and **processed text data** with **tidyverse**, identifying key product complaints and trends.
- Visualized insights using **ggplot2** and **wordcloud**, **revealing deeper patterns beyond star ratings**.

Work Experience

BYJU'S THE LEARNING APP – Operations Analyst **–** Bangalore   Aug 2021 – Mar 2023
- Built **SQL queries** & **Excel dashboards** to analyze production data, doubling monthly production capacity from **24** to **48 units** through **optimized resource allocation**.
- Implemented weekly **scrum model** for streamlining workflows, aligning cross-functional teams, and reducing delays to achieve **100% delivery rates** while delivering **faster project turnarounds**.
- Leveraged **market analysis** and **data-driven insights** to reduce churn by **25%**, retaining **150 out of 200 customers** through targeted feature enhancements of live products.

BYJU'S THE LEARNING APP – Asst. Operations Analyst **–** Bangalore   July 2019 – July 2021
- Developed **interactive charts** for production reports, improving stakeholder insights and enabling **data-driven decisions**.
- **Automated task tracking** in Google Sheets, **saving 2 hours/day** from manual communications and enhancing sprint planning.

Education

Executive MBA, Data Science & Business Analytics – PES University, Bangalore (Ongoing)

Google Data Analytics certificate – Online, Remote (Completed: Jun 2023)

BE, Computer Science Engineering – Sapthagiri College of Engineering, Bangalore (2015–2019)