Jenil Patel

226-978-2095 | jenilp110@gmail.com | GitHub| LinkedIn

Summary:

- 1+ years experience as a aspiring Data Analyst with a strong foundation in data analysis, statistics, and data visualization.
- Proficient in data manipulation, data cleaning, and exploratory data analysis using tools such as **Python** and **SQL**.
- Skilled in creating informative data visualizations using tools like **Matplotlib, Seaborn, Power BI** and Tableau.
- Eager to apply analytical skills to solve real-world problems and contribute to data-driven decision-making.
- Excellent communication and teamwork skills, collaborating effectively with cross-functional teams.

Technical Skills:

- Programming Languages: Python, SQL
- Data Analysis Tools: Pandas, NumPy, Jupyter Notebook, Google Colab
- Data Visualization Tools: Matplotlib, Seaborn, Tableau, Power BI
- Database Management: MySQL, SQLite
- Statistical Analysis: Hypothesis Testing, Regression Analysis
- MS Office skills: Word, Excel, PowerPoint

Experience:

Brik Partners – Toronto, ON **May 2023 – Present**
Data Analyst

- Collaborated with cross-functional teams to gather and understand data requirements, ensuring alignment with business objectives.
- Performed data collection, data cleaning, and data preprocessing tasks to prepare raw datasets for analysis.
- Utilized SQL and Python to query and extract data from relational databases, APIs, and external sources.
- Conducted exploratory data analysis (EDA) to identify patterns, trends, and outliers, providing valuable insights to stakeholders.
- Employed data visualization tools such as Matplotlib and Seaborn to create informative charts, graphs, and dashboards for data presentation.
- Assisted in developing and maintaining automated data pipelines, improving data retrieval and processing efficiency.
- Conducted statistical analyses, including hypothesis testing and regression modeling, to derive actionable insights.
- Collaborated with senior data analysts to validate and fine-tune machine learning models for predictive analytics.
- Supported data-driven decision-making by generating regular reports and data summaries for management and teams.
- Continuously enhanced data analysis skills through self-study and training programs, staying up-to-date with industry best practices and emerging technologies.

Tusk International – India **June 2019 – Aug 2020**
Data Analyst

- Provided data-driven models and analysis to inform management decisions.
- Effectively identified and communicated business issues through data-driven analysis.
- Modeled and charted business processes for operational activities and capital planning.
- Constructed complex data models using data querying tools.

- Created and maintained routine KPI reports.
- Analyzed business processes for effectiveness and efficiency, developing enhancement strategies.
- Conducted feasibility studies to identify omissions and errors in business requirements.
- Prototyped new procedures to improve business processes, operations, and data flow.
- Performed data analyses and presented ad hoc reports to support business process initiatives.
- Managed and coordinated research and survey databases.

Education:

Computer Programming and Analysis **Sept 2020 – Apr 2023**
Conestoga College, Waterloo, ON, Canada

Computer Multilingual Programming **April 2019 – Mar 2020**
Centre for Development of Advance Computing (C-Dac), India

Projects:

Data Analysis of IMDB Dataset

- Conducted comprehensive data wrangling on a movie dataset by utilizing essential Python libraries.
- Expertly managed missing data through meticulous handling techniques and removed duplicates and extraneous columns to ensure data quality.
- Conducted a thorough structural analysis of the dataset, including an evaluation of data types and identification of unique values.
- Effectively addressed missing data concerns by employing strategies to impute null values and replace zero values within the budget column.
- Skillfully created data visualizations, including histograms, to gain insights into various dataset variables.
- Investigated the relationship between movie budget and popularity, revealing a strong correlation where higher budget films tend to exhibit higher levels of popularity.
- Delved into the impact of movie length on popularity, uncovering a trend indicating that medium-length movies tend to garner the highest popularity levels.

SMS Spam Classification

- Spearheaded the development of a high-performing SMS spam classification system, taking charge of data preprocessing, feature engineering, and the implementation of diverse machine learning models, including Naive Bayes, Random Forest, and Support Vector Machines.
- Achieved remarkable results through meticulous experimentation and model fine-tuning, ultimately attaining an accuracy rate exceeding 95%, underscoring a commitment to delivering top-tier performance.
- Distinguished achievement included the seamless integration of advanced text preprocessing techniques such as tokenization, stop-word removal, and stemming, significantly bolstering model generalization while mitigating overfitting.
- Crafted a robust cross-validation framework to safeguard model reliability and prevent data leakage, ensuring the system's effectiveness and consistency.