Sneh Patel

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Professional Profile

Detail oriented and data driven professional with a strong analytical mindset, transitioning from an engineering background into a dedicated data analyst. Passion for deriving insights from complex datasets. Known for independent work, critical thinking and logical approach to problem solving. I am enthusiastic about leveraging my technical skills to deliver actionable data insights.

Skills

Programming Languages & Libraries: Python, OOPs, Pandas, NumPy, Matplotlib, Seaborn
Data visualization & Analysis Tools: PowerBi, Microsoft Excel, Tableau, MS Power Point
Database & Query Languages: MySQL, PostgreSQL, Database Design
Version Control & Collaboration: Git, GitHub

Education

10/2023 – present	**M.Sc. Data Analytics** Berlin School of Business and Innovation, Berlin, Germany Focus areas Data Analytics, Data Visualization, Database Warehouse Management, Machine Learning and Deep Learning.
08/2015 – 07/2019	**Bachelor of Electrical Engineering** Institute of Technology and Management Universe (ITM), Vadodara, India

Work Experience

09/2019 – 03/2023	**Validation Engineer** Maxwell Control Pvt. Ltd, Gandhinagar, India

- Extract Data from PLC, HMI and Sensors to perform CBM Analysis. Transform data to support predictive maintenance strategies and improve reliability.
- Retrieve data from database and run Queries to conduct validation process as per SOP (Standard Operating Procedure) of machine to improve efficiency
- Conduct all electrical inspection related to commissioning and testing Ensure all work carried out as per approve methods.

Academic Projects

Food Delivery APP Analysis and Visualization   [Python, Power Query, PowerBi, DAX, ETL]

- Conducted data analysis and developed an interactive Dashboard to evaluate Blinkit's sales performance, customer satisfaction and inventory distribution.
- It includes requirement gathering, Data connection, Data Modeling and Data Transformation using Power query
- Created DAX calculation for the key metrices. Developed dashboard to provide actionable insights.

Ecommerce Sale Data Analysis   [MySQL, MS Excel, Pivot Tables, Data Visualization]

- Designed and managed MySQL Database to store and analyze sales data of pizza chain executing Advance Queries to conduct Exploratory Data Analysis.
- Conducted ETL process in and feature engineering, Leverage Pivot Tables for trend analysis and performance insight.
- Developed and interactive a Excel Dashboard featuring dynamic visualization and filters to uncover sales trend and customer preference.

Exploratory Data Analysis on Hotel Booking   [Python, Pandas, NumPy, Matplotlib, Seaborn]

- Performed data cleaning, missing value handling and feature engineering on hotel booking data to prepare for analysis.
- Execute EDA to identify booking trends, factors driving cancellation and customer preferences uncovering key insights to optimize business decisions.
- Leveraged Matplotlib and Seaborn to uncover correlations influencing revenue generation and customer preference.

Shark Tank Investment Analysis   [Python, Pandas, NumPy, MySQL, ETL]

- Extract data using Automation process, Conducted ETL and Data Transformation process using Python libraries (NumPy, Pandas).
- Imported Data in MySQL and executed Advance SQL Queries to analyze funding trends, industry performance and investors behavior.
- Developed store procedure for shark specific investment insight and optimized query performance.

Languages

Gujarati (Mother Tonge)   English (Advance)   German (Basic)