SOHAMKUMAR PATEL

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Summary

As a highly motivated and detail-oriented with a strong academic background in computer engineering and artificial intelligence, I am well-equipped to excel in a data analysis role. With expertise in multiple programming languages and databases, I am skilled at analyzing complex data sets and generating actionable insights. Whether working independently or as part of a team, I am dedicated to using data-driven insights to inform business decisions and drive innovation.

Skills

- Programming : SQL, Python, Excel VBA Macros
- Visualization : Tableau, Power Bi, Microsoft Excel , Jupyter Notebook
- Databases : MySQL, Postgre SQL, IBM DB2
- Soft skills : Strong Communication, Problem solving, Statistics, critical thinking

Experience

08/2020 - 04/2021
Junior Software Engineer, **Orbit Software**, Ahmedabad, Gujrat
- Worked with data storage technologies such as SQL and NoSQL to create scalable data pipelines that extracted, transformed, and loaded large datasets from various sources like Relational amd NO SQL databases.
- Participated in code reviews, testing, and debugging activities to ensure the quality and reliability of software applications and data analysis processes, while adhering to best practices and standards in software engineering and data analysis.
- Collaborated with data analysts and other stakeholders to implement data visualization tools such as Tableau to enable clients to analyze and visualize large datasets and gain insights into business operations.

01/2020 - 06/2020
Intern, **Maxgen Technologies**, Ahmedabad, Gujrat
- Project title: Face attendance system, Collaborated with a team of developers and designers to create a live project for a company, which involved developing a face detection attendance system using Python and OpenCV.
- Successfully developed and tested the face detection algorithm to accurately recognize and record attendance for users in real-time.
- Demonstrated a strong understanding of Python and OpenCV, as well as experience with Raspberry Pi and integrating software systems. This provided valuable experience in developing real-world applications and working with emerging technologies..

Education

Advance diploma, Artificial Intelligence
Centennial College, Toronto, ON

- During course I gained hands-on experience building end-to-end machine learning pipelines, from data preparation and feature engineering to model selection, training, and deployment.
- Developed proficiency in a range of supervised and unsupervised learning algorithms, including neural networks and deep learning techniques, through coursework and independent research projects.
- Utilized a variety of development environments and tools, including Jupyter Notebook and Visual Studio Code, to design, test, and refine machine learning models for real-world applications, such as image recognition and natural language processing

Bachelor of Engineering, Computer Engineering
INDUS University, Ahmedabad, India

- Acquired proficiency in multiple programming languages, including C, C++, Python, Java, and JavaScript, through coursework and hands-on projects completed during my bachelor's degree in computer engineering.
- Worked with a variety of databases, including relational databases (such as MySQL and PostgreSQL) and NoSQL databases (such as MongoDB and Cassandra), as part of my coursework and independent research projects.
- Gained experience using a range of development environments and tools, including Spyder, Jupyter, Eclipse, and Visual Studio Code, to build, test, and deploy software applications in various contexts, from small-scale prototypes to large-scale enterprise solutions.

Projects

Sentiment Analysis of Amazon Appliance Reviews (Python, visual studio code)

- Scraped Amazon reviews data for appliances and performed data cleaning tasks.
- Conducted sentiment analysis on the cleaned data using Vader and TextBlob sentiment analyzers.
- Analyzed the sentiment of positive, negative, and neutral reviews to gain insights into customer sentiment towards different appliances.
- Presented the findings using data visualization techniques.

Customer Segmentation Analysis (python, Jupyter Notebook, Tableau)

- Conducted an analysis of customer data using clustering techniques to segment the customer base and identify opportunities for targeted marketing campaigns.
- Preprocessed and analyzed the data using Python and SQL, including feature engineering and scaling techniques.
- Utilized clustering algorithms such as K-means and hierarchical clustering to group customers based on demographic, transactional, and behavioral attributes.
- Visualized the customer segments and presented the findings using Tableau, identifying actionable insights and opportunities for targeted marketing campaigns.

Nashville Housing Properties (PgAdmin, postgre-SQL, excel, Tableau)
- Developed SQL script for cleaning the Nashville housing data.
- Using Tableau visualize cleaned data with buying and sale prices

Covid-19 Interactive Visualization (SSMS, SQL, Tableau)
- Developed an interactive visualization tool using SQL and Tableau to display data on the spread of COVID-19 Using Tableau
- Built various chart to display Covid-19 Active Cases, Deaths & Recoveries around the globe.

Certifications

- IBM Data Analyst Certificate Training -Coursera 2023
- GitLab - LinkedIn Learning 2022
- SQL Developer - Udemy 2022

Profile, Portfolio

- Linkedin
- Github