

JAI VERMA

SUMMARY

Data Scientist with a strong foundation in data analysis, machine learning, and statistical modeling. Recently completed a Data Science course from Inttvu.ai, where I gained hands-on experience with Python, SQL, machine learning algorithms, and data visualization. Skilled in data cleaning, feature engineering, and predictive modeling. Eager to apply my knowledge to solve real-world problems and contribute to data-driven decision making.

TECHNICAL SKILLS

- Python, SQL, Power-BI, MS-Excel, Tableau.
- Libraries : Numpy, Pandas, Matplotlib
- Machine Learning : RandomForestClassifier, Logistic regression, XGBoost,
- RandomForestRegressor, Linear regression, K-means
- NLP : Data cleaning, Sentiment analysis

NON-TECHNICAL SKILLS

- Strong organizational and time management skills
- Exceptional communication and interpersonal skills
- Ability to work independently and as part of a team
- Detail-oriented and able to handle multiple tasks simultaneously

CERTIFICATIONS

Data Science and AI Program Inttvu.ai

Acquired hands-on experience in Python, machine learning algorithms, data analysis, and data visualization.

PROJECTS

Classification model

This heart disease risk prediction model evaluates the likelihood of heart disease based on factors like blood pressure, smoking, BMI, and other health indicators. Using machine learning algorithms such as Random Forest and XGBoost, it predicts risk with 90% accuracy, leveraging a dataset of 319,795 rows for high reliability and precision.

Use case :

The model is widely used in the medical and health insurance sectors by companies like Cigna, UnitedHealth Group, John Hancock Life Insurance, and IBM Watson Health. It has saved millions in healthcare costs, driven revenue growth, and helped detect heart-related risks earlier, enabling timely interventions.

Project link :

https://github.com/Jai0406/Heart_disease_pred_by_jaiverma

Regression model

This fuel efficiency model predicts fuel consumption based on factors like vehicle mass, engine capacity, and fuel type. Using the Random Forest Regressor, it effectively handles complex relationships and reduces overfitting with multiple decision trees. With an R^2 score of 0.94 and low MAE, MSE, and RMSE values, the model offers high accuracy in fuel consumption prediction, trained on a dataset of 1,000,000 rows.

Use case :

This model is essential for the cab and automobile industries, helping companies save millions in operational costs and boost revenue. By predicting fuel consumption, it optimizes fleets, reduces fuel expenses, and enhances efficiency. Ride-sharing companies like Uber and Lyft use similar models for route optimization, while automotive leaders like Toyota and Ford apply them to improve vehicle design, reduce production costs, meet environmental standards, and increase customer satisfaction.

Project Link: -

<https://github.com/Jai0406/My-Fuel-efficiency-prediction-model>

Clustering model

This supermarket analysis uses a DBScan clustering model to analyze customer purchasing behavior based on factors like order day, product ID, and cart items. It segments customers into distinct groups, providing insights into preferences with a strong SIL score, enabling targeted strategies. The model is trained on a dataset of 1,000,000 rows.

Use case :

This model helps departmental stores and other industries understand purchasing behavior, enabling tailored marketing, optimized product offerings, and personalized promotions. By targeting specific customer segments, businesses can boost engagement, increase conversions, and optimize inventory, driving higher revenue and profitability.

Project link :

https://github.com/Jai0406/My-supermarket_analysis_cluster_model

BUSINESS INTELLIGENCE PROJECTS

Power BI Insurance Price Analysis

This Power BI report provides in-depth analysis of key factors like race, income groups, employment status, and more, utilizing powerful visualizations to uncover valuable trends and relationships. The interactive dashboard offers a seamless, intuitive experience, allowing stakeholders to easily explore the data from multiple angles. With a robust dataset of 1,000,000 rows, it ensures comprehensive insights.

Use case :

This report is a game-changer for insurance companies and various industries, enabling them to make data-driven decisions based on real-time global trends. By providing actionable insights, it helps businesses spot emerging patterns, refine strategies, and ultimately drive profitability in a highly competitive market.

Project Link :

https://github.com/Jai0406/My_power_bi_Insurance_analysis_report

Transaction Integrity: Fraud Detection Analysis

This Power BI report analyzes various transaction types, identifying patterns and trends that highlight transactions most vulnerable to fraud. Using advanced analytics and visualizations, it pinpoints key vulnerabilities and high-risk areas, helping organizations proactively detect fraud and implement targeted prevention strategies. The database contains 1,048,576 rows.

Use case :

This report provides financial institutions and government organizations with actionable insights to detect fraud trends. By identifying high-risk transactions, it enables informed decision-making, enhancing safety and profitability by preventing fraud, reducing losses, and driving sustained growth.

Project Link :

https://drive.google.com/file/d/1sxmfgS5pWii0xZ3ok8fpIs1utr2SPeRv/view?usp=drive_link

EDUCATION

Graduation

2021

65%

XII Standard (ISC Board)

2018

60%

X Standard (ICSE Board)

2015

64%

PROFESSIONAL EXPERIENCE

Concentrix Daksh India Pvt. Ltd. | 2023 - 2024

Operations representative

Leveraged customer interaction data in MS Excel to categorize and analyze customer satisfaction, effectively segregating satisfied and unsatisfied customers based on the types of queries they raised. This approach helped tailor support strategies and improve overall service quality.

Coordinated with courier partners to address and resolve area-specific delivery issues, using SAP to communicate with the warehouse and access customer records, while utilizing MS Outlook for further communication, streamlining operations and ensuring timely resolutions.

Utilized monthly data in MS Excel to generate comprehensive customer satisfaction reports, providing valuable insights for informed decision-making and policy implementation, while using MS Word to create presentations that highlighted key findings and areas for further improvement.

Managed, cleaned, and updated customer data in CRM systems like FOCS, ensuring high data integrity through consistent maintenance. This effort facilitated the development of personalized marketing strategies and customer support initiatives, driving better engagement and satisfaction.

Redinkindia Pvt. Ltd | 2022- 2023

Data Operations Specialist

Designed and executed complex SQL queries in MySQL to efficiently extract, organize, and aggregate datasets, enabling advanced analysis and supporting data-driven decision-making across multiple projects.

Performed comprehensive data cleaning, transformation, and formatting in MS Excel, ensuring high data integrity and consistency. Leveraged Excel's advanced features, such as pivot tables and VLOOKUP, to prepare data for analysis and streamline reporting processes.

Developed and delivered insightful, data-driven reports from raw datasets, utilizing domain knowledge and MS Excel to identify key trends and actionable insights that informed business strategies and optimized operational performance.