Jaad Al Hosaini

Data Science & Analytics Intern

Personal details

Jaad Al Hosaini

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Jeddah, Saudi Arabia
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github.com/JaadAlHosaini

Skills

- Python ●●●●○
- Java ●●●●○
- SQL ●●●●○
- Data Analysis ●●●●○
- Machine Learning ●●●●○
- Statistical Modelling ●●●○○
- MySQL ●●●●○
- Power BI ●●●●○
- Git & Github ●●●●●
- Pandas and Numpy ●●●●○
- Data Visualization ●●●●○

Languages

- Arabic ●●●●●
- English ●●●●●

Education

Bachelor of Computer Science (Artificial Intelligence) **Oct 2024 - Present**

University Malaya, Kuala Lumpur, Malaysia

• Undergraduate student majoring in Artificial Intelligence with strong foundations in computer science and data analytics
• Coursework includes Data Structures, Probability & Statistics, Data Science, Machine Learning, Database Systems, and Networking
• Developed multiple academic and personal projects in SQL, Python, and data analysis, focusing on real-world business use cases

Projects

Luxury Fashion Product Recommender System

• Built a hybrid recommender system combining collaborative filtering (SVD) and content-based similarity
• Recommended luxury fashion products based on customer behavior, product category, and brand
• Evaluated model performance using RMSE and Precision@K
• Applied similarity metrics and matrix factorization techniques for personalized recommendations
Tools: Python, Pandas, Scikit-learn, Surprise

Retail Customer Segmentation (K-Means)

• Performed customer segmentation for luxury retail data using K-Means clustering
• Engineered features such as annual spending, purchase frequency, and recency
• Identified high-value and behavior-based customer segments for targeted marketing strategies
• Used Elbow Method and Silhouette Score to determine optimal clusters
Tools: Python, Pandas, Scikit-learn, Matplotlib

Fashion Sales Forecasting (Machine Learning)

• Developed machine learning models to forecast sales of luxury fashion products
• Trained and compared Linear Regression and Random Forest models
• Evaluated models using R^2 and MAE metrics
• Visualized actual vs predicted sales trends to support business decision-making
Tools: Python, Pandas, Scikit-learn

Retail Analytics SQL Project

• Designed a relational retail database using ERD and MySQL
• Implemented fact tables and analytical SQL queries for revenue, customer, and product analysis
• Analyzed in-store and online transactions using joins, aggregations, and groupings
• Structured the project as a GitHub portfolio with clean SQL scripts
Tools: MySQL, SQL, Database Design