Yash Harish Jadwani

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PROFILE

Data Analyst with a Master's degree in Data Science and over two years of experience in the field. Designed and implemented data pipelines to process millions of customer records, ensuring data integrity and improving operational efficiency. Proficient in Python, SQL, and statistical techniques. Resolved production issues quickly and effectively, reducing the defect rate in my department by 20%. A highly skilled team player with exceptional communication skills, I am passionate about using data to drive business success. I have a proven track record of collaborating with business partners to deliver effective solutions.

WORK EXPERIENCE

Data Science Intern, Data Glacier   Mar 2023 - Present

- Improved model accuracy by 7% through comprehensive data pre-processing techniques, data imputation using SMOTE, and normalization. These measures effectively reduced predictor biases and enhanced the overall performance of the model.
- Developed a highly effective G2M strategy for a cab investment company, which led to a significant increase in revenue and helped identify the most promising cab firms for investment. Presented findings as Tableau dashboards to stakeholders.
- Collaborated with senior data scientists to design and implement data pipelines for efficient data collection and processing.

Customer Advisor, Boots   Nov 2021 - Feb 2023

- Providing exceptional customer service in a fast-paced retail environment, I collaborated with team members to ensure an efficient store layout through strategic product placement and visual merchandising. I successfully managed high-pressure situations with a customer-centric approach, and ability to work independently and as part of a team.

System Engineer, Tata Consultancy Services   June 2019 - Aug 2021

- Increased returns 15% increase in returns by creating impactful dashboards and implementing an ad-hoc client reporting framework. Derived insights from extensive data analysis, providing clients with valuable information for decision-making.
- Designed and implemented robust data pipelines using Java and SQL, automating data processing for over 10 million customer records. Ensured data integrity and reliability, resulting in streamlined operations and improved efficiency.
- Developed a predictive modeling tool that utilized customer data, which improved tax planning processes by analyzing and forecasting tax projections. Additionally, collaborating with peers on code reviews, I proactively identified and resolved caching-related issues within existing business logic, leading to a remarkable 30% improvement in server efficiency.
- Recognized for exceptional problem-solving skills, consistently delivering high-quality solutions within challenging timelines. Received accolades from clients and stakeholders for outstanding contributions to project success.

EDUCATION

MSc Data Science, Kingston University   Sept 2021 – Sept 2022
Grade – Distinction

B.E Computer Engineering, A.D. Patel Institute of Technology   Aug 2015 - May 2019
CGPA - 8.23 | Grade - Distinction

SKILLS

- **Programming languages:** Python, SQL, R, Java
- **Technical Skills**: Data Mining, Machine Learning, Statical Analysis, Hypothesis Testing, Regression Analysis, Predictive Analytics, Data Analysis, Data Visualization, Data Wrangling, Data Modelling, ETL processes
- **BI and other Tools/Frameworks**: Tableau, PowerBI, MS Powerpoint, MS Excel, Scikit-learn
- **General Skills:** communication, problem-solving, Stakeholder management Teamwork, Agile Methodology

PUBLICATIONS

- **A New Approach to Analyse Player Performance in T20 Internationals**
- Published at 10th MathSport International Conference at Hungary, Pages 107-114. Used machine learning techniques to analyze a comprehensive dataset of T20 International players. This allowed me to accurately group players based on their roles and consider factors beyond traditional metrics. I successfully developed a performance indicator by leveraging advanced techniques including K-Means Clustering, one-vs-all classification, and Principal Component Analysis.
- Used meticulous verification and validation processes to accurately group players based on roles. This approach provided a comprehensive understanding of player contributions beyond conventional metrics.

KEY PROJECTS

1. **Car Insurance Claim Prediction**
- Implemented a machine learning solution for car insurance claim prediction by pre-processing the data, selecting features, training a model, and evaluating the results. Achieved significant success by improving accuracy, precision, and recall scores using techniques such as up sampling, feature importance analysis, and classifier retraining.
2. **Customer Churn Analysis**
- Developed a dynamic Power BI dashboard to proactively track customer churn. The dashboard uncovered key factors contributing to customer attrition, such as dissatisfaction with support or service This analysis was conducted using a comprehensive dataset involving various aspects of customer information, including demographics, contract details, service usage patterns, and churn reason.