SHIVAM AGRAWAL

Data Scientist

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SUMMARY

Experienced Data Scientist with 3+ years in data science and 5+ years in IT. Skilled in data preprocessing, predictive modeling, and multi-class classification. Proficient in Sklearn, NumPy, Pandas, Matplotlib, Seaborn, and SQL databases including Teradata, Oracle DB, and Snowflake. Expert in manipulating and analyzing complex, high-volume data from diverse sources. Passionate about driving actionable insights and delivering tangible business outcomes.

EXPERIENCE

AI Engineering Senior Analyst

Accenture

📅 09/2020 - Present

Investment Banking Client

- Built and delivered a classification model by using the XGBOOST algorithm for a portfolio size of about $ 10 Billion USD.
- Finalised model had precision of 0.78 and F1 score of about 0.75.
- Conducted data sampling, joining, cleaning, and exploratory data analysis (EDA) for bank-executed trades.
- Collaborated with Trade Analysts through interviews to gain deeper insights into their business processes and data requirements.
- Utilized FFT analysis on time series data to identify investment patterns.

Internal Product Development

- Planning and building a python based product to facilitate quicker onboarding of customers to Blue yonder products. The product focuses on providing easier configuration of extraction logic and is integrated with a scheduler meet customer's data delivery needs.
- Testing, validation and integration of delivered product.

Supply Chain Consulting Client

- Spearheaded L3 Support for 5+ retail end customers in Europe, resolving demand planning and fulfilment queries for products (LDE & LSF) using Data Science as a Service (DSaaS).
- Consulted and supported multiple releases of Demand Fulfilment software (LSF & LDCF) for a leading UK-based supermarket chain, implementing new features.
- Innovated and executed quality improvement plans for DSaaS deliveries, enhancing client satisfaction.
- Developed Snowflake and Power BI dashboards to expedite data analysis for the Data Science team, facilitating faster decision-making.
- Implemented Salesforce reports and dashboards for automated reporting, streamlining workflows, and standardizing SOPs, resulting in a 40+ hours of effort saving.
- Engineered tools to automate data creation and upload for regression tests and new product features, saving 45+ man-hours per test cycle and 9-10 hours monthly in BAU activities.
- Contributed to a 30% improvement in forecast quality through CR implementation for a Netherlands-based variety store chain.

Data Engineering Analyst

Accenture

Telecom Company Based out of Dublin

- Executing end to end software testing lifecycle including documentation of test approach, closure reports, test preparation, planning data requirements and defect management for 6+ change request.
- Initiated and developed test automation framework for setting up environments for ETL(ab initio) testing using python.
- Analyzed multiple change requests in the source systems every release for impact assessment in EDW and other BI systems.
- Handled UAT presentations for all the changes tested with zero defects in UAT.

SKILLS

Python · SQL · Regression · Classification · Clustering · Statistics · R · Git · Tableau · PowerBI · Linux Shell Scripting · Salesforce reports · Visual Studio Code · Excel · Data Warehousing · Machine learning · Data Visualization · Debugging · Data Analytics · System Integration Testing · Automation · Stakeholder Management

EDUCATION

Bachelor in Industrial Engineering

Sri Ramdeobaba College of Engineering and Management

📅 2014 - 2018

GPA 3.08 / 4.0

Post Graduate Program (Masters) in Data science and Business Analytics

Great Lakes Institute of Management

📅 2019 - 2020

GPA 3.64 / 4.0

CERTIFICATION

Azure fundamentals AZ-900
Microsoft

Trading Basics
ISB

Getting Started with Snowflake: Queries,Dashboards & Tables
Skillsoft

LANGUAGES

Hindi
Native
●●●●●

English
Proficient
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