Shashwat Raj
Associate Consultant

Data-driven professional with 3+ years of experience in machine learning, data migration, and cloud-based analytics. Proficient in problem solving & utilizing ERP,AI/ML to design, develop, and maintain software solutions tailored to meet the complex needs. Certified in Azure AI with hands-on experience in core machine learning techniques and data visualization. Passionate about driving business impact through data-driven solutions

✉ shashwatrajjs2@gmail.com   📱 9504812780   📍 Bengaluru   in linkedin.com/in/rajshashwatjs

WORK EXPERIENCE

Associate Consultant
Capgemini
04/2024 - Present
Financial Fraud Detection POC

- Developed an end-to-end fraud detection system on a highly imbalanced financial dataset (6M+ transactions, only 0.137% fraud cases), significantly improving fraud detection accuracy while minimizing false positives.
- Engineered novel fraud detection features while handling missing values and inconsistencies, improving fraud classification accuracy by ~15%.
- Performed EDA, outlier detection & treatment using IQR, ensuring data integrity and improving model stability.
- Implemented SMOTE + strategic undersampling, handling extreme class imbalance without compromising accuracy.
- Boosted fraud recall from 42% to 87%, reducing undetected fraud cases by > 2x.
- Optimized Logistic Regression & XGBoost to achieve an AUC-ROC of 0.98 and cut false positives by 35%, ensuring fewer false alarms.

Senior Analyst
Capgemini
04/2022 - 04/2024
Cloud Data Migration

- Spearheaded end-to-end data migration from IFS V8 & legacy systems to IFS Cloud, ensuring 100% data integrity post-Go-Live.
- Collaborated with cross-functional solution teams & clients to map legacy system entities to Cloud ERP, ensuring business alignment and needs.
- Automated data extraction, transformation & loading (ETL) workflows using Apache NiFi, SQL, reducing manual effort by 70%.
- Developed sanity & cleansing reports, enabling proactive data quality monitoring and reducing rework cycles.
- Conducted data cleansing, exploratory data analysis (EDA) & anomaly detection, improving data quality by 40% pre-migration.
- Configured Migration Environment and Jobs to automate data transfers across cloud environments, reducing redundant loading by 50% across different lifecycle phases.
- Designed data reconciliation dashboards & reports, improving post-migration validation accuracy by 90%.

Software Engineer Intern
eClerx
06/2021 - 04/2022
Achievements/Tasks

- Completed internship at eClerx, gaining hands-on experience in Tableau, Power BI, Python, and Java.
- Developed interactive dashboards using Tableau and Power BI as a proof of concept.
- Extracted key business insights through data visualization, enhancing decision-making.

SKILLS

Python   SQL   IFS ERP   Cloud Data Migration

Machine Learning Algorithms   Data Interpretation   EDA

RCA   GenAI   Prompting   Feature Eng.

Statistics   Hypothesis Testing   A/B testing   DSA

Regression   Clustering   XGBoost   NLP

Azure AI

PROJECTS

Insurance Premium Prediction | Machine Learning Project
- Developed a machine learning model to accurately predict insurance premiums using regression and ensemble techniques, optimizing feature engineering and hyperparameter tuning.

Key Achievements:
- Designed a supervised learning model using regression and ensemble methods, improving pricing precision.
- Conducted extensive EDA, identifying feature distributions, correlations, and outliers to enhance data quality.
- Engineered domain-specific features, leveraging one hot encoding & heatmaps for improved predictive power.
- Addressed overfitting and variance issues through regularization (L1/L2), feature selection, and cross-validation.

CERTIFICATIONS

Azure AI Fundamentals (AI-900)
Microsoft

Certified Practitioner-Technical Consultant
IFS ERP

EDUCATION

B.Tech, CSE
Lovely Professional University (2018-2022)