
EDUCATION

University of Maryland, Robert H. Smith School of Business
Master of Science, Information Systems
Jawaharlal Nehru Technological University
Bachelor of Technology, Information Technology

College Park, MD, USA
Dec 2023
Hyderabad, TN, India
May 2018

WORK EXPERIENCE

Associate Consultant

Capgemini Technology Services:

Sep 2018 - Aug 2022

Property & casualty Auto State and Operational Reporting (ETL & BI Developer):

- Orchestrated ETL pipelines in **Informatica Power Center** to collect batch data from event sources in **Kafka**, apply business-critical transformations, and load into **Snowflake** data warehouse.
- Identified bottlenecks, conducted root-cause analysis, and cross-functionally collaborated with various teams to validate and verify quality of data flowing from **Guidewire UI** to the **Snowflake** database.
- Automated Tableau dashboards with **Python scripts** during a team crisis, improving Insurance client's customer retention by **5%** and reducing insurance claims fraud by **3%**.
- Met deadlines and goals despite a **40%** reduction in the team's workforce during peak workload.

Enterprise Data Lake (Data Engineer):

- Enabled the Fraud Analytics team to build models by collecting requirements and developing automated flows to extract event data from **Kafka**, apply business rules on **PySpark** to transform, then store it in **Hive** tables.
- Demonstrated expertise by providing continuous support for user-driven modifications & serving as subject-matter expert in resolving inquiries.

Property and Casualty Data & Reporting (ETL Developer):

- Developed ETL pipelines using **SAP Business Objects and Data Services**, optimizing ETL job runtime by 10% through performance tuning of large SQL queries in **MS SQL Server**.
- Collaborated with data-modelers, business analysts, and testers to redesign existing data models.
- Developed **Python scripts** and devised a framework to ensure 100% data quality from **Nifi** to **MS SQL Server**.

PROJECT EXPERIENCE

Real-Estate Analysis:

- Utilized **Abinitio** to develop a Business Intelligence pipeline to store data in **Oracle**, & visualize in **Tableau**.
- Analyzed patterns, visualized insights via Tableau dashboards using various **KPI's**, and offered recommendations.

Customer Churn Analysis for Retail Store:

- Implemented the K-nearest neighbor algorithm in **Python**, achieving **94%** accuracy.
- Visualized insights, provided actionable recommendations to reduce churn, and enhance customer retention.

Visualizing the growth of Streaming platforms:

- Performed web scraping in **Python** using **beautiful Soup & Selenium** to extract data from web sources.
- Designed and developed **Tableau** stories and dashboards to develop strategies and communicate key findings.

High booking rate prediction:

- Predicted booking rates through classification models (random forest, boosting), achieving an **AUC** of approx. **90%**.
- Utilized techniques as parameter tuning, feature engineering, sentiment analysis, and text mining to evaluate models through **ROC, AUC, TPR, and FPR** in **R**.

TECHNICAL SKILLS:

Programming Languages: Python, R, Unix Shell Scripting

Databases & Data Warehouse: SQL (Oracle, MS SQL Server), Snowflake, Teradata

Big Data Technologies: Hadoop, Map-reduce, HDFS, Spark, Hive, Pig, Hbase, Kafka

ETL & BI tools: Informatica Power Center, SAP Data Services, Abinitio, Tableau

Cloud & Other Tools: AWS, Git, Jenkins, Postman, Selenium, Control-M, Excel, PowerPoint.

CERTIFICATIONS:

- Oracle Certified SQL Associate
- Google Analytics Certified

LEADERSHIP AND VOLUNTEERING:

- Teaching Assistant for courses Big Data Infrastructure(INST 767) and Managing Digital Business Markets(BUSO 732)
- As Track representative of MSIS acted as a liaison between Management and Students.
- Student Ambassador, supported finance team in planning, budgeting at Smith Masters Student Association (SMSA).