
EDUCATION**University of Maryland, Robert H. Smith School of Business**

Master of Science, Information Systems

SRM Institute of Science and Technology

Bachelor of Technology, Computer Science Engineering - Cloud Computing

College Park, MD, USA

Aug 2023 – Dec 2024

Chennai, TN, INDIA

June 2019 – May 2023

WORK EXPERIENCE**Center for Global Sustainability | Research Assistant****Sept 2024 - Current**

- Streamlined data collection by developing an automated pipeline using Power Automate, saving 15 hours weekly, ensuring 100% data accuracy and integrity, and delivering reliable datasets for data-driven decision-making and timely reporting.
- Analyzed large datasets with Pandas and NumPy, applying regression and clustering to identify data-driven problems, generating 10+ reports with technical solutions and data insights that improved business decisions.

Department of Transportation Services | Business Intelligence Analyst**Sept 2023 - Sept 2024**

- Leveraged SQL for data extraction and utilized Pandas and NumPy for analysis, applying trend analysis to identify opportunities for process improvement, and collaborated with finance to reduce operational costs by \$50,000 annually.
- Designed interactive Power BI scorecards to assess key performance indicators (KPIs) and operational metrics, collaborating with operations to streamline processes, eliminating 20+ delays, and improving operational efficiency by 18%.
- Increased service availability by 100 hours monthly, resolved 15+ issues, and improved reliability through SQL and R analysis to uncover root causes in maintenance schedules and communicating technical topics and concepts to a non-technical audience.

Strategic Solutions International | Business Analyst Intern**June 2024 – Aug 2024**

- Built and optimized 12+ Power BI dashboards to monitor KRIs, automated data extraction via Python scripting, identified and mitigated 15+ risks factors, reduced incidents, and delivered insights that enhanced business decisions, and project success.
- Conducted financial analysis and planning (FP&A) with Excel modeling and VBA, developing 5+ scalable business plans, accelerating timelines by 10+ days, optimizing resources, and saving \$100,000 annually.
- Managed 10+ projects using Agile methodologies under tight deadlines, collaborating with finance and operations, streamlining workflows via JIRA and Confluence, delivering 15+ reports, enhancing client relationships.

Analytics Quotient Services India Pvt. Ltd | Data Analyst**May 2023 – Jul 2023**

- Optimized and maintained SQL queries for data manipulation and analytics, automating data processing using Python scripts, reducing reporting time by 10 hours per week, and extracting insights that drove a \$10,000 revenue increase.
- Addressed challenges in translating requirements into analytical solutions by optimizing SQL queries, resolving inconsistencies across 15+ datasets, implementing measures that improved accuracy and streamlined reporting.
- Collaborated with cross-functional partners to convert existing Excel reports into Power BI dashboards and reports, translating business requirements into insights, accelerating project completion by 3 weeks and documenting data processes.

Prime LifeSpace Consultancy Pvt. Ltd | Data Analyst**May 2021- May 2022**

- Designed predictive models using Python, SQL, and machine learning algorithms like XGBoost to analyze real estate data, enhance GTM decision-making and increase marketing campaign effectiveness by 20% through precise predictive insights.
- Performed qualitative and quantitative analysis of historical sales data and market research using SQL and Python libraries and identifying metrics that led to a 24% improvement in sales over 6 months.
- Developed and maintained 15+ custom ad-hoc reports using Power BI and DAX expressions, transforming data into actionable insights, and developing storylines for PowerPoint presentations to non-technical audiences.

SKILLS**Programming Languages:** SQL, Python (NumPy, Pandas, TensorFlow, Scikit-learn), R Programming, DAX Query, SAS**Tools:** MySQL, SQL Server, Tableau, Power BI, Microsoft Office Suite, JIRA, Confluence, Snowflake, AWS (Redshift)**Data & Business Intelligence Skills:** Data Analytics, Data Visualization, Data Mining, Data Modeling, Data Storytelling, Data Management, Data Governance, Business Analytics, Statistics, Process Improvement, Automation, Machine Learning, Regression, Decision Trees, Forecasting, Predictive Analytics, Relational Database Management Systems (RDBMS)**Management Skills:** Project Management, Stakeholder Management, Agile Development, Software Development Life Cycle (SDLC)**Certifications:** Tableau Desktop Specialist, AWS Certified Cloud Practitioner, Google Analytics Certified (GA4)

PROJECT EXPERIENCE**Credit Card Fraud Analysis | Python, Pandas, NumPy, Microsoft Excel, scikit learn.**

- Developed credit fraud risk models using Python and SQL on 270K+ transaction datasets, applying regression and classification trees to forecast fraud trends based on historical behaviors, improving accuracy by 15% and enhancing data quality.
- Enhanced data models using rigorous hypothesis testing, data leakage prevention, and validation sets, enhancing predictive accuracy and significantly reducing credit defaults.
- Optimized predictive model precision by 10% through A/B and multivariate testing, while developing optimized interactive Tableau dashboards to facilitate data-driven decision-making and improve stakeholder engagement.