MANIDEEP PIPPARI
Data Analyst

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SUMMARY

Data Analyst with 4 years of experience transforming raw data into strategic business intelligence through advanced analytics and visualization. Expert in Python, SQL, Tableau, and cloud-based data warehousing solutions. Specializes in predictive modeling, ETL pipeline development, and creating actionable insights that drive operational excellence and informed decision-making across organizations.

SKILLS

Methodologies: SDLC, Agile, Waterfall
Programming Languages: Python (Pandas, NumPy, SciPy, Matplotlib, Seaborn, TensorFlow), SQL, R
Database: Microsoft SQL Server, PostgreSQL, MySQL
Data Visualization Tools and Platforms: Tableau, Power BI, Advanced Excel (VLOOKUP, Pivot Tables)
Statistical Analysis: A/B testing, Descriptive Statistics, Predictive Analytics, Hypothesis Testing, Regression Analysis, Time Series Analysis
Cloud Platforms: AWS (S3, EC2, Redshift), Microsoft Azure, Snowflake
ETL Tools: Alteryx, Talend
Version Control: Git, GitHub
Soft Skills: Critical thinking, Problem-solving, Attention to detail, Communication Skills, Team Collaboration, Stakeholder Management

EDUCATION

Master of Science in Business Analytics   December 2024
Sacred Heart University

Bachelor of Business Administration   December 2020
Dr Narayana College of Commerce, India

PROFESSIONAL EXPERIENCE

Data Analyst | PNC, Virginia   August 2024 - Current

- Performed comprehensive **data mining** and **statistical analysis** using **Python (pandas, NumPy)** and **SQL** to identify customer spending patterns, enabling targeted campaigns that generated $2.3M revenue growth.
- Conducted full lifecycle analysis gathering business requirements from **stakeholders**, designing complex **Tableau** dashboards using **star schema** and **dimensional modeling** that improved executive decision-making efficiency by 25%.
- Developed advanced **SQL** queries with stored procedures and optimization techniques on **OLAP databases**, creating automated **SSRS reports** that reduced manual reporting time by 8 hours weekly.
- Collaborated with cross-functional engineering and finance teams to implement **ETL** workflows in **Snowflake**, establishing data governance standards that improved report accuracy.
- Designed performance monitoring dashboards tracking KPIs and SLAs using **Tableau**, implementing automated alerts and documentation standards that enhanced operational response times by 22% cost effectively.

Data Analyst | Vivma Software Inc, India   September 2020 – August 2023

- Conducted data quality assurance using **SQL** for querying and **Python** for cleansing customer subscription datasets, reducing error rates by 18% while ensuring data integrity for the Customer Churn Prediction project.
- Designed a predictive model in **Python** to identify high-risk customer segments, analyzing historical usage patterns and support interactions, resulting in targeted retention strategies that improved customer retention by 12%.
- Created an IT Services Revenue & Customer Growth executive dashboard in **Power BI**, visualizing subscription growth trends and financial KPIs, enabling data-driven decisions, improving resource allocation.
- Collaborated with product teams in an **Agile** environment to analyze user engagement metrics across subscription-based IT services, conducting **A/B testing** on pricing models that informed feature prioritization and marketing strategy adjustments.
- Maintained data pipelines collecting information from multiple sources into **AWS Redshift** for the KPI dashboard, version-controlling analysis scripts with **Git** while ensuring compliance with data security protocols for sensitive customer information.

PROJECTS

Online Movie Ticketing Database Management:

- Extracted customer insights from 10M+ records using SQL to support campaign performance reviews.
- Built a relational database platform using PostgreSQL for scalable data handling. • Developed data pipelines for test data provisioning and system validation.
- Led a 5-students team using Jira for sprint planning and task tracking with Jira ticket management.
- Worked on performance tuning of SQL queries for faster data access.
- Simulated real-world practices with stakeholder communication and SDLC adherence.

CERTIFICATIONS

Introduction to Data Analytics by IBM and Coursera