

SHREERAM VENKATESH

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SUMMARY

Experienced Data Analyst seeking data analytics roles, with success in boosting revenue by 12% and increasing customer engagement by 20% through data-driven solutions. Delivered critical projects and fostered cross-functional teamwork. Proficient in Python, SQL, R, Power BI, Tableau, and AWS

WORK EXPERIENCE

Data Analyst (Intern), Labelmaster, Chicago, IL, USA

Jan 2024 - May 2024

- Spearheaded a team to achieve 95% accuracy in a real-time Machine Learning price recommendation system, leveraging over 10 million client records extracted from Amazon Redshift using Python and Apache Spark
- Implemented statistical hypothesis testing and Unsupervised/Supervised Learning (Clustering and Regression) using Python (Scikit-learn and Statsmodels), driving a 20% increase in customer engagement, and boosting annual revenue by \$X million
- Enabled decision-making with insights via Ad Hoc Reporting, Power BI dashboard and Streamlit, improving operational efficiency by 25%
- Collaborated with Pricing and Analytics team to validate ML models using Python and AWS Sagemaker, resulting in a 12% revenue increase
- Mapped data for KPIs using BI tool, driving targeted business strategies, increasing customer retention by 11%
- Enhanced pricing strategies across product lines based on competitor analysis, leveraging Python and Apache Spark, increasing profit margins by 15%

Graduate Teaching Assistant, Illinois Institute of Technology, Chicago, IL, USA

Aug 2023 - May 2024

- Facilitated discussions, addressed queries, graded assignments, conducted TA hours, and provided feedback on SQL, MySQL, PostgreSQL, DBMS, OLAP, Excel, and Python, boosting student engagement by 40%

Data Analyst (Full-time), KPIT Technology Limited, Bangalore, India

Feb 2020 - May 2022

- Optimized ETL data pipelines in AUTOSAR BSW and RTE layer using AWS EMR, S3, Glue, Lambda, Apache Spark, and SQL, achieving an 80% improvement in data management, governance, and system performance
- Developed and deployed Machine Learning (ML) models to enhance diagnostic data accuracy by 90%, used Tableau for interactive dashboards, enabling stakeholders to make data-driven decisions
- Automated Ethernet Time Synchronization performance testing with 2000+ lines of Python code (PySpark, Spark SQL), increasing efficiency by 60% through CI/CD pipelines
- Consolidated and integrated data from CAN, LIN, and Ethernet team using AWS Glue and Redshift, reducing integration time, and ensuring data quality and consistency
- Performed segmentation analysis using Adobe Analytics, track, optimizing A/B testing, resulting in a 24% increase in user engagement
- Applied Agile and Scrum methodologies, using JIRA for task management and team collaboration

Data Analyst (Intern), KPIT Technology Limited, Bangalore, India

Mar 2019 - Jan 2020

- Leveraged ETL pipelines for ADAS system testing using Azure Data Lake, Databricks, Spark SQL, PySpark, and Power BI, boosting customer satisfaction by 90%
- Analyzed vehicle telemetry data with ETL pipelines using MySQL Server, SQL, GCP, and BigQuery, enhancing performance metrics and safety measures, achieving an 85% increase in actionable insights
- Incorporated Power BI for interactive reporting, aligning KPIs with stakeholder needs, and improving decision-making by 25% through data cleaning, EDA, and statistical analysis

SKILLS

Programming Language - Python, R, SQL, DAX, T-SQL

Cloud Platform and Databases- AWS (S3, EMR, Redshift, Lambda, Glue), Apache Spark, Azure Data Lake/Delta Lake, Azure Databricks, Teradata, Snowflake, BigQuery, MongoDB, MySQL Server, PostgreSQL, Google Cloud Platform, Azure Data Factory

Frameworks & Libraries- NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn, TensorFlow, PySpark, Keras, PyTorch, NLTK, Seaborn, ggplot2

Tools- Power BI, Tableau, Looker, Alteryx, Microsoft Excel, VBA, SAS, Jira, Adobe Analytics

PROJECTS

E-commerce Market Analysis

- Analyzed a cosmetic e-commerce dataset in R to identify user behavior patterns and trends, presenting EDA findings in a dashboard to aid decision-making
- Applied K-means, RF, PCA, cross-validation, and hypothesis testing to build prediction models (R-squared: 0.945, 0.847)

End-to-End Advanced Formula 1 Data Analytics and Reporting Using Azure Databricks

- Automated ingestion and transformation on racing data using Azure Databricks, Spark SQL, PySpark, and Delta Lake, achieving 30% faster processing and establishing ETL automation
- Enhanced efficiency by 25% using PySpark/Spark SQL transformations, delivering insights via Power BI for driver and team performance

Sales Analytics for ATLIQ Hardware Company

- Integrated sales data using MySQL Server and Power BI, establishing an ETL pipeline and implementing a Star Schema for comprehensive reports
- Delivered actionable insights, resulting in a 15% increase in sales and a 10% reduction in excess inventory costs

EDUCATION

Masters, Data Science- Illinois Institute of Technology, Chicago

Aug 2022 - May 2024

Bachelors of Technology, Electronics and Computer Engineering- SRM University, Chennai

Jun 2015 - May 2019