

SHREYA MOTANI

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SUMMARY

Analytical and detail-oriented data professional with experience transforming complex data into actionable insights using analytical methods. Passionate about leveraging data to solve real-world problems, streamline decision-making, and enhance operational efficiency.

WORK EXPERIENCE

Data Analyst II, Cambium Assessments, Remote, USA

June 2022- Present

- Optimized stored procedures, resulting in a 35% improvement in run time for quicker student report generation.
- Initiated the adaptation of the data visualization tool Power BI to develop dashboards to analyze complex data sets, monitor KPI, and identify trends, patterns, and insights that can drive business decisions.
- Automated the existing manual data-gathering process that saves time by 75% and drove another ongoing improvement to scale.
- Automated daily reports by writing Python scripts, which saves time by 80%.
- Work closely with Product Managers by providing them with business insights by pulling large and complex data from SQL.

Data Analyst, Microsoft (Contract), Redmond, USA

Nov 2021- May 2022

- Analyzed data in the Kusto database to find credential leakage and presented actionable insights to adapt the prevention steps.
- Developed a customized dashboard to present data on false-positive leakage detection and made informed recommendations, enabling the team to improve product accuracy and enhance detection capabilities.

Data Analyst, Microsoft (Contract), Redmond, USA

Mar 2021- June 2021

- Optimized an existing Power BI report to increase data ingestion by 12x for a year compared to a month, allowing for better analytical decision-making of holistic data in a single report.
- Optimized business queries used in 10+ Power BI reports using Azure Data Explorer and SQL. Migrated queries from the SQL database to Azure Data Explorer (Kusto) for faster and optimal performance.
- Created/modified reports and provided business data from the database to 5+ Program Managers.

Software Developer/Sapiens Technologies, Bangalore, India

Jan 2017 – Sep 2019

- Developed databases and wrote SQL to generate weekly, monthly, and quarterly insurance reports for financial analysis.
- Contributed to the go-live of 2 projects, which resulted in generating approx. 30% of revenue for the company.
- Collaborated with clients, business analysts, and on-site teams for requirements gathering and development of the product.

Software Engineer/HCL Technologies, Bangalore, India

Sep 2014 – Sep 2016

- Contributed to production support tasks by responding to tickets, support request management within SLA, and root cause analysis.
- Reduced the ticket backlog by 50%, which decreased the operational cost of the project.
- Initiated process improvements within the team to streamline the handover process for each shift.

PROJECTS

Next Best Offer (Sound Credit Union)

- Cleaned and built an SSIS pipeline to load multiple datasets having 20 M+ rows and 75+ columns.
- Analyzed and transformed datasets having 500 features to 65 features and 20 M+ rows to 18000 rows by using SQL and feature reduction techniques in Python and R.
- Created an interactive visualization loan dashboard by utilizing the Tableau experience to analyze the trends and KPIs.
- Built two multiclass classifier models using RandomForestClassifier to predict the next best loan offer to a member as part of a marketing strategy for customer retention, and deployed them using a user-friendly web app via Streamlit.

Redfin House Price Prediction

- Build a supervised learning model using Linear Regression, Random Forest, K-means, and Decision Tree to predict the car sales price with 92% accuracy.

Image Age and Gender Prediction

- Built a CNN model to predict the age and gender of 10K images from 2304 grayscale pixel data.

Stock Price Prediction

- Built a model by doing sentiment analysis on 100K tweets and used the results and the stock dataset to create a supervised learning model to predict the company's stock price.

TECHNICAL SKILLS

Skills and Tools: SQL, Python, Machine Learning, Kusto, R, Power BI, Tableau, Azure Machine Learning, Github, Jira

Frameworks/IDE/Tools: Jupyter Notebook, Google Collab, VS Code, R Studio, Microsoft Excel, Streamlit

EDUCATION

Master of Science in Business Analytics

University of Washington, Tacoma, WA

June 2022- June 2023

GPA – 3.94

Bachelor of Technology in Computer Science Engineering

Banasthali University, India

July 2010- May 2014

CERTIFICATION & RECOGNITION

- Completed Hands-On Essentials: Data Warehousing Workshop from Snowflake.
- Best MSBA Applied Project Showcase Award from the University of Washington for the project done for Sound Credit Union.
- Data Visualization using Power BI and Tableau from Dubstech at the University of Washington
- Python for Data Science and Machine Learning Bootcamp from Udemy.
- Quarterly Best Performer Award at Sapiens Technology.