

Sreerag Mahadevan Cheeroth

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SUMMARY

Dynamic Data Analyst with 2+ years of expertise in product decisions, predictive modeling, and process improvement, achieving a 99.8% reduction in administration process time, realizing significant cost savings. Honed a strong foundation in data-driven research and analysis to improve client offerings. Excels in engaging stakeholders at all levels through a collaborative approach, driving data-driven decisions and workflow optimizations.

EDUCATION

University of Maryland, Robert H. Smith School of Business

College Park, MD, USA

Master of Science in Business Analytics, GPA 3.47

December 2023

Data Analysis in Python, Database Management Systems, Business Process Analysis, Price Optimization, Data Mining, Big Data, Predictive Analytics, Data Models and Decisions, Artificial Intelligence, Data Visualization, Operation Analytics

Manipal Academy of Higher Education, Manipal Institute of Technology

Manipal, Karnataka, India

Bachelor of Technology in Mechanical Engineering, GPA 3.14

May 2021

SKILLS & INTEREST

Skills: Python | SQL | R | Tableau | Excel | PowerBI | Lucidchart | AWS | Snowflake | JIRA | MS Word | PowerPoint | Salesforce | Quantitative Analysis | Machine Learning | NLP | Business data analysis | Leadership | Project Management | Stakeholder relations | ETL | Report Writing | Financial planning and forecasting | Agile SCRUM methodology |

Interests: Data Science, Business Analytics, AI Development, Cloud Computing, Data Visualization

WORK EXPERIENCE

JerseySTEM

Florham Park, NJ, USA

Grant Data Analyst

January 2024 – Present

- Conducted **A/B testing** to optimize grant application strategies, increasing funding success by 20% for the organization missions.
- **Analyzed** grant **financial data** using **Python** and **SQL** to identify opportunities for underprivileged middle school girls enhancing funding allocation efficiency by 30%.
- Implemented data pipeline using **JIRA** and **Salesforce Analytics** to enhance grant application process and tracking.

Vodka Sales- Total Wines & More (Capstone)

College Park, MD, USA

DataAnalyst

August 2023 – December 2023

- Built prediction models (**XGBoost**, **LSTM**, **ARIMA**) for vodka sales forecasting with an 80% prediction accuracy.
- Utilized advanced **Excel** knowledge to support analysis, leveraging **Pivot Tables**, **VLOOKUP**, and **formulas**, to identify key contributors in the data, resulting in an 80% improvement in reporting accuracy and efficiency.
- Drafted business objectives (**BRD**, **FRD**) to communicate insights and **KPIs** to leadership utilizing **MS PowerPoint** animations and **Tableau** dashboards.

Master's Programs Office

College Park, MD, USA

Data/ Business Intelligence Analyst

June 2023 – December 2023

- Presented **Tableau** dashboards to communicate actionable insights to both technical and non-technical stakeholders, driving student satisfaction up by 18%.
- Strategized stakeholder requirements into high-impact **deliverables** completing the project 2 weeks ahead of schedule.
- Planned, implemented, and managed an automated **data process** to generate student records using **Python** which achieved a 99.8% reduction in administration process time.

KPMG

Bangalore, Karnataka, India

IT Data Analyst

July 2020 – July 2022

- Analyzed complex datasets using **SQL** and **Python**, to identify data compliance risks and supported internal audit strategies.
- Applied data governance checks based on **ISO 27001** and **NIST CSF** standards, enhancing data integrity and security across 9 Offshore Work Centers, resulting in streamlined compliance processes.
- Tracked documentations for effective audit procedures and stakeholder management leading to 25% reduction in completion time.

PROJECT EXPERIENCE

Loan Default Prediction

December 2023 – February 2024

- Reduced **credit risk** by boosting loan default prediction accuracy by 15% through data preprocessing and **model optimization**.
- Applied **DeepChecks** & **SHAP** techniques to increase **stakeholder** trust by 25%, making complex model decisions actionable.
- Optimized **error cost analysis**, saving \$2M annually by minimizing high-impact prediction errors in **loan defaults**.

Large Language Model (LLM) for E-Commerce Chatbot

December 2023 – January 2024

- Influenced fine-tuning of an **LLM** using **PEFT** and **RAG**, enhancing customer interaction and reducing query resolution time.
- Utilized **PEFT** techniques to reduce computational needs by 90% while maintaining high model performance, leading to **cost-effective deployments**.

DISTINCTIONS

- Patented design for staircase adaptive mobility device to assist individuals in need of mobility support.