

# Sreerag Mahadevan Cheeroth

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## SUMMARY

Dynamic Business 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.

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## 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

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## 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

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## 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.
- Identified and corrected biases in **loan approval models**, improving fairness in lending decisions.
- Optimized **error cost analysis**, saving \$2M annually by minimizing high-impact prediction errors in **loan defaults**.

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## WORK EXPERIENCE

JerseySTEM

Florham Park, NJ, USA

Grant Research Analyst

January 2024 – Present

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

Vodka Sales- Total Wines & More

College Park, MD, USA

Business Intelligence Analyst

August 2023 – December 2023

- Communicated insights and **KPIs** to leadership utilizing **MS PowerPoint** animations and **Tableau dashboards**.
- 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 outline project scope aligning stakeholder expectations and technical capabilities.
- Analyzed seasonality and identified price bands and substitute items in a 5,000-item anonymized inventory.
- Utilized **XGBoost**, **LTSM** and **Linear regression** methods to develop prediction models with 80% accuracy.

Master's Programs Office

College Park, MD, USA

Business Analyst

June 2023 – December 2023

- Performed **ad-hoc** analysis and communicated insights to both technical and non-technical stakeholders using actionable **Tableau** dashboards, 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 Audit Team Lea

July 2020 – July 2022

- Communicated with **FinTech Internal audit** team throughout the development and implementation cycle of the recommended solution.
- Performed monthly and quarterly **data governance** audits (**ISO 27001**, **NIST CSF**) for 9 Offshore Work Centers with a team consisting of 16 members. Led responsibility of testing 5 of 9 OWCs over a period of 4 weeks.
- Collected and documented various financial **artifacts** required for the audit.

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## DISTINCTIONS

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