

Maanas Rao Siripuram

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EDUCATION

McMaster University

Hamilton, ON

Bachelor of Science (Honours) in Computer Science with a Minor in Business

Expected Graduation: May 2027

Relevant Coursework: Probability & Statistics, Business Data Analytics, Databases (SQL), Algorithms, Linear Algebra, Data Structures, Discrete Math.

EXPERIENCE

Data Analyst Intern

May 2025 – Aug 2025

ZappyCareApp

Hybrid

- Engineered automated **Python pipelines** (Pandas, NumPy) to process large-scale patient datasets, successfully reducing manual reporting turnaround time by **30%**.
- Designed and maintained interactive **Power BI dashboards** tracking **10k+ monthly transactions**, enabling executive stakeholders to pinpoint claim anomalies and financial discrepancies faster.
- Refined complex **SQL queries** for large-scale data extraction, reducing query execution time by **40%** and enhancing dashboard loading performance.
- Conducted **time-series analysis** on patient admission rates to forecast seasonal demand, assisting the operations team in optimizing resource allocation.

PROJECTS

SentiTrade (McHacks) | *Python, NLP, Financial Analytics*

Jan 2026

- Performed **Sentiment Analysis** on financial news streams using NLP techniques to quantify market sentiment scores.
- Conducted **Correlation Analysis** between sentiment trends and stock price volatility, identifying key predictive indicators for market movement.
- Visualized financial datasets using interactive charts to present **real-time insights** for investment decision-making.

NeuroVault (DeltaHacks) | *Python, Computer Vision, ETL Pipelines*

Jan 2026

- Developed an **ETL pipeline** for unstructured data, transforming raw facial images into 512-dimensional vector embeddings utilizing **DeepFace**.
- Implemented a **Voice-to-Data workflow** that parses unstructured audio queries into structured database requests to retrieve patient history.
- Analyzed interaction logs to generate usage metrics, helping measure memory retention rates in patients.

La Liga Match Outcome Predictor | *Python, Scikit-learn, Seaborn*

- Preprocessed historical match data and applied multiple ML classifiers including **KNN, Random Forest, and Logistic Regression** to forecast game results.
- Achieved **~70% accuracy** on test data and utilized **Feature Importance Analysis** to identify key performance drivers.

VIRTUAL EXPERIENCE & CERTIFICATIONS

Accenture North America | *Data Analytics and Visualization Job Simulation*

- Completed a simulation using **Python** to clean datasets and advise on content strategy via **interactive visualizations**.

PwC Switzerland | *Power BI Job Simulation*

- Built **Power BI** dashboards using **DAX** to visualize call center KPIs and customer satisfaction metrics.

SKILLS

Data Analysis: Python (Pandas, NumPy, Scikit-learn), SQL, Excel (VBA, Pivot Tables), Power BI, Tableau

Concepts: A/B Testing, Hypothesis Testing, Risk Analysis, Forecasting, NLP, Data Cleaning (ETL)