

# Maanas Rao Siripuram

+1 (289)-556-3543 | [maanas710@gmail.com](mailto:maanas710@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

## 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)