

# Maanas Rao Siripuram

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## EDUCATION

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### McMaster University

Hamilton, ON

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

*Expected Graduation: May 2027*

## PROJECTS

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### Health Risk Predictor

*Personal Project*

*GitHub: Health-Risk-Predictor*

- Developed a machine learning web app using Flask and Scikit-learn to predict individual health risks (e.g., heart disease, diabetes).
- Engineered input features from demographic and medical data; applied logistic regression and random forest for predictions.
- Deployed the app with a responsive UI using HTML/CSS and hosted it via Streamlit for public access.

### Stock Analyzer

*Personal Project*

*GitHub: stock-analyzer*

- Built an interactive dashboard using Python, yFinance, and Plotly to visualize stock performance and technical indicators.
- Implemented features like Bollinger Bands, Moving Averages, and real-time candlestick charts.
- Enabled users to filter stocks by ticker and date, gaining insights into volatility and trends.

### La Liga Match Outcome Predictor

*Collaborative Project*

*GitHub: LaLiga-Predictor*

- Collaborated on a machine learning model to predict La Liga football match outcomes based on team statistics and historical performance.
- Performed EDA and preprocessing on match data; tested multiple models (Random Forest, KNN, Logistic Regression).
- Achieved 70% accuracy on test data; analyzed feature importance to explain prediction drivers.

## CERTIFICATIONS

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### Accenture North America - Data Analytics and Visualization Job Simulation

Aug 2024

- Conducted comprehensive data analysis to derive actionable insights.
- Utilized SQL and Tableau for data manipulation and visualization.
- Supported strategic decision-making through effective data presentation.

### PwC Switzerland - Power BI Job Simulation

Aug 2024

- Developed interactive dashboards using Power BI to visualize key business metrics and track performance trends.
- Collaborated with stakeholders to gather requirements, ensuring data insights aligned with business objectives.
- Presented findings to cross-functional teams, enhancing decision-making processes through data-driven insights.

## SKILLS

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**Programming & Tools:** Python (NumPy, Pandas, scikit-learn, Flask, Streamlit), SQL, Git, GitHub, HTML/CSS, Tableau, Power BI, MS Office, Canva, Photoshop, Video Editing

**Data Science & ML:** Data Cleaning, Exploratory Data Analysis (EDA), Feature Engineering, Predictive Modeling, Model Evaluation, Data Visualization (Plotly, Matplotlib)

**Soft Skills:** Leadership, Collaboration, Critical Thinking, Flexibility, Organizational Proficiency

**Languages:** English, Hindi, Telugu