

Maanav Garg

maanavgarg@icloud.com | (647) 643-6264
Mississauga, Ontario

Personal Website: maanavgarg.com
LinkedIn: [linkedin.com/in/maanavgarg](https://www.linkedin.com/in/maanavgarg)
Github: github.com/Maanav-G

Education

McMaster University

B.A.Sc. Honours Computer Science - GPA: 3.9/4.0

Hamilton, Ontario

Expected April 2021

Work Experience

Deloitte Consulting

Consulting Analyst

Toronto, Ontario

January 2020 - Present

- Consulting client-side for a large conglomerate within the aviation industry, on building a 'Loyalty' program from end-to-end.
- Acted as the Functional Analyst for our feature team, where I was the liaison between the client and vendors regarding all technical and business processes as well as organized and designed the functional Sprints, while managing the JIRA and Confluence platforms.
- Built and supported the project roadmap, by capturing and communicating, business and user requirements to our design and digital vendors.
- Verified and documented all functional specifications and requirements by coordinating with our in-house Digital team and their respective vendors.
- Guided the Technical and QA team in end-to-end development and testing, by evaluating the core requirements, and ensuring all dependencies were met.

IBM

Software Engineering Intern (16-months)

Markham, Ontario

May 2018 - August 2019

- Consulted and developed client-side for TD, National Bank, HSBC and Desjardins by working on 21 distinct projects, typically using **Java** and **Python**.
- Performed an extensive 26-hour analysis to redesign TD's stock processing server using **Java**, by examining the servers current status, and cross-referencing it with 9 viable options, leading to an increase in orders-processed per second by 100% (600,000).
- Designed a 2-part solution for National Bank using **Java**, which consisted of restructuring their current system and implementing a backup cloud that allowed an automatic dispatch of data to any location, while eliminating security and capacity issues.
- Streamlined an internal unit-testing process by 19% (6hr), by designing a **Python** script that automates test case construction using a real-time database.

Faculty of Computing & Software, McMaster University

Research Assistant

Hamilton, Ontario

January 2019 - May 2019

- Initiated a new research project using **Elm** and **Haskell**, alongside Dr. Anand, which focused on computational 'algebraic thinking'.
- Developed 14 quantitative models of gradient waveforms, based on Dr. Anand's recent research on 'MRI', by analyzing gathered data.

Extra-Curricular Involvement

DeltaHacks - Faculty of Engineering, McMaster University

Vice President, Finance and Sponsorship

Hamilton, Ontario

May 2019 - Present

- Directed a cross-functional executive team to obtain funding from 20 sponsorship sources of \$105,000, yielding a year-over-year, 31% increase in funds, a 25% surge in company interest, 12% improvement in sponsor retention and a 10% negotiated increase in initially proposed funding.
- Formalized a comprehensive design of the sponsorship packaging strategy, that amplified our offered opportunities by illustrating quantified statistics of our event, highlighting popular and attractive perks, and offering the freedom of customization to suit the companies needs.

Mathematical Investment Research Council

Research Analyst

Hamilton, Ontario

September 2019 - Present

- Implemented and presented quantitative trading strategies by designing mock-ups of mathematical models using **Python** and machine learning techniques, while focusing on time series strategies, future/ETF arbitrage, and cross-sectional strategies.
- Worked on creating valuation to analyze current market data, provide financial analysis and support industry research.

Technical Experience

Experience working with **Python**, **JavaScript**, **HTML**, **CSS**, **Java**, **Haskell** and **Elm**

Tools and Technologies: **React**, **Django**, **Flask**, **Angular**, **Node.js**, **jQuery**, **Git**, **Azure** and **Google Cloud**

NBA Rookie Statistics Predictor

<https://github.com/Maanav-G/NBA-rookie-statistics-analysis>

- A machine learning model that predicts the statistics of the NBA's 2019-2020 season rookies

Recommendation Engine

<https://github.com/Maanav-G/Recommendation-Engine>

- A model that recommends the user a similar set of movies based on the inputted movie title

Additional Information

Additional Campus Involvement: Microsoft: Student Partner, McMaster Consulting Association: Senior Consultant (Technology), IBM: Campus Ambassador, Waterloo: Software Developer

Competitions and Conferences: 1st for Deloitte's Consulting Case Competition, 2nd for the Discover Azure Competition, 1st for IBM's FutureBlue Competition, Top 5 in Deloitte's Blockchain Case Competition, Top 3 in Microsoft's Machine Learning Competition, Top 7 at HackPrinceton for best overall 'Hack'