

Aahil Samnani

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EDUCATION

University of Toronto

Honours Bachelor of Science in Computer Science

Sept. 2021 - May 2025 (Expected)

GPA: 3.4/4.0

TECHNICAL SKILLS

Languages: Python, Java, C, SQL, HTML/CSS/JavaScript

Libraries and Frameworks: Flask, pandas, scikit-learn, Plotly, Matplotlib

Developer Tools/Other: Git, Power BI, Jupyter Notebook, MS Excel, Spyder

EXPERIENCE

Data Science Intern

Nestlé - Finance Analytics and Solutions Team

May 2022 - August 2022

Toronto, ON

- Deployed a **Python** script that performs financial calculations on large data sets saving 250 hours annually. Managed entire process including communicating with business stakeholders, implementing solution and testing.
- Forecasted product sales with machine learning and statistical algorithms. Used **scikit-learn** and **statsmodels**.
- Leveraged dimensionality reduction techniques along with a clustering algorithm to visualize data sets with over 100 features. Used **Python** (Keras, scikit-learn, Plotly). Saved over 120 hours.

Data Analyst Intern

The Board of Medicine

June 2020 – Sept. 2020

Toronto, ON

- Cleaned and analyzed sleep data from 150 users of the Apollo health wearable using **PostgreSQL** and **Python/pandas**, leading to the identification of sleep metrics and demographics the wearable most impacted.
- Developed supervised machine learning models to predict user sleep quality using **Python** (scikit-learn & Keras).
- Presented weekly reports and visualizations to summarize the results of my analysis to senior data analysts.

PROJECTS

Fantasy Soccer Tool

Aug. 2021 - Sept. 2021

- Developed a full-stack, **Flask** web application that allows users to create a fantasy team while viewing live stats and news for over 500 players.
- Retrieved and processed live stats and news using **Python/pandas** and the Fantasy Premier League API.
- Implemented a secure login system using **SQLite** and bcrypt for hashing and salting user passwords.
- Created an auto-complete feature for user searches and responsive team layouts/formations using **JavaScript**.

Bank System

March 2020 - April 2020

- Created a bank system using **Java** that processes bank account and transaction information stored in text files.
- Managed chequing, savings and credit card accounts for each user using an object-oriented design.

WhatsApp Chatbot

April 2021

- Developed a WhatsApp chatbot using **Flask** and Twilio's WhatsApp API to that provides sports scores and stats for the last 15 years.
- Processed user queries and parsed data from CSV files using **Python/pandas**.

EXTRACURRICULAR INVOLVEMENT

Honours/Awards: Hack the Six 2021 (*8th/100 teams*) — AlphaHacks 2021 Proposal Track Winner (*1st/66 teams*) — DECA Ontario Finance Case Competition Finalist (*x5*) (*10th/130*)

Other: Presented on the future of machine learning at TD Bank Tech Talks 2020. Published articles on Medium about introductory machine learning concepts.