

# AAHIL SAMNANI

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## Education

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### University of Toronto

Honours Bachelor of Science in Computer Science

Sept. 2021 - Present

GPA: 3.7 / 4.0

## Skills

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

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

**Developer Tools/Other:** Git, Visual Studio Code, Sypder, Eclipse, Jupyter Notebook

## Experience

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### Data Analyst Intern

June 2020 – Sept. 2020

The Board of Medicine

- Analyzed and cleaned large data sets from a 100-participant research study using Python (pandas, NumPy, scikit-learn) to study the effect of the Apollo digital therapy wearable on its users' sleep metrics
- Analysis included Principal Component Analysis, correlation coefficients and linear and logistic regression
- Presented data analysis and visualizations to the Executive Director of the organization every week
- Developed machine learning models using Python (scikit-learn and Keras) to predict user sleep quality

## Projects

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### Fantasy Soccer Stats Tool — [GitHub](#)

- Created a full-stack web application using Flask with a HTML/CSS/JavaScript frontend and a SQLite database
- Allows users to add/delete over 500 players to their fantasy team while viewing live stats and news for each one
- Implemented all features including a secure login system, retrieval of live stats & news from the FPL API (Python/pandas) and auto-completion of user searches (JavaScript)

### VP Bank System — [GitHub](#)

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

### WhatsApp Chatbot — [GitHub](#)

- Developed a WhatsApp chatbot that reads CSV files to provide soccer scores and stats for the last 15 years
- Used Python/pandas, Flask and Twilio's WhatsApp API

## Extracurricular Involvement

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

**The Knowledge Society Accelerator Program:** Wrote articles on Medium about machine learning which led me to present on the future of ML at TD Bank Tech Talks 2020 to children ages 9-13.