

Aahil Samnani

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EDUCATION

University of Toronto

Honours Bachelor of Science in Computer Science

Sept. 2021 – May 2025 (Expected)

SKILLS

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

Frameworks and Libraries: Flask, pandas, Matplotlib

Developer Tools: Git, Visual Studio Code, Eclipse, Spyder, Jupyter Notebook

EXPERIENCE

Data Analyst Intern

The Board of Medicine

June 2020 – Sept. 2020

- Analyzed and cleaned datasets from a 100-participant research study using pandas, NumPy and scikit-learn to study the effect of the Apollo digital therapy wearable on its users' sleep metrics
- Analysis included Principal Component Analysis, correlation coefficients, linear and logistic regression
- Visualized user sleep metrics using Matplotlib and seaborn (Python)
- Presented analysis and visualizations to the Executive Director of the organization every week

PROJECTS

Fantasy Soccer Web Application | *Python, Flask, pandas, SQLite, HTML, CSS, JavaScript, Matplotlib*

- Full-stack, Flask web app that serves as a fantasy soccer game for England's top soccer league
- Processes live stats, news and images for 500+ players using Python/pandas and the FPL stats API
- Uses JavaScript to autocomplete user searches & dynamically adjust UI to support any team formation
- Generates graphs automatically to visualize aggregate player and team stats using Matplotlib

Bank System | *Java*

- Command-line program that processes and stores bank account and transaction info in text files
- Uses object-oriented programming and searching and sorting algorithms

WhatsApp Chatbot | *Python, Flask, pandas, Twilio*

- Provides match and goal information about England's top soccer league (EPL) for the last 15 seasons using Flask and the Twilio API

EXTRACURRICULAR INVOLVEMENT

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

University Clubs/Organizations: Computer Science Enrichment Club, Machine Intelligence Student Team