Aahil Samnani **LinkedIn** aahilsamnani | **Github** samnaniaahil

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EDUCATION

University of Toronto, Honours Bachelor of Science in Computer Science, 2021 - 2025

SKILLS

Languages: Python, Java, SQL/SQLite, HTML, CSS
Frameworks/Libraries: Flask, pandas

EXPERIENCE

Data Analyst Intern, <u>The Board of Medicine</u>   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 and linear regression
- Visualized user sleep metrics using Matplotlib, seaborn (Python) and Google Sheets
- Presented analysis and visualizations to the Executive Director of the organization weekly

PROJECTS

<u>Fantasy Soccer Web Application</u> | 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 & images for 500+ players using Python/pandas and the FPL stats API
- Uses JavaScript to allow the user interface to dynamically adjust to support any team formation
- Generates graphs automatically to visualize live player and team stats using Matplotlib

<u>WhatsApp Soccer Chatbot</u> | Python, Flask, pandas
- Provides match and goal information about England's top soccer league (EPL) for the last 15 seasons using Flask and the Twilio API

<u>Bank System</u> | Java
- Command-line program that processes and stores bank account and transaction info in text files

EXTRACURRICULAR INVOLVEMENT

Courses: CS50x - Harvard University's Introduction to Computer Science   June 2021 - Aug. 2021

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

The Knowledge Society (Accelerator Program)   Sept. 2019 - June 2020
- Wrote articles on Medium about machine learning which led me to present on the future of machine learning at TD Bank's Tech Kids Camp to children ages 9-13

Youth Lead, Aga Khan Council for Ontario   July 2019 - July 2021
- Organized 12 events for youth and children such as career panels, financial literacy workshops and day camps