**Sahilpreet Chhina**

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**EDUCATION**

**Western University London, Ontario**

*Bachelor of Science in Computer Science Expected Graduation, May 2027*

* **Concentrations:** Honors Specialization in Computer Science, Software Engineering Minor.
* **GPA:** 3.5
* **Related Coursework:** Data Structures & Algorithms, Applied Logic for Computer Science, Systems Programming, Computer Organization, Machine Learning, Object-Oriented Programming, Statistics.

**EXPERIENCE**

**Singh Capital Partners Remote**

*Data Analyst Intern January 2024 - March 2024*

* Gained hands-on experience with SQL and data querying, enhancing my ability to manage large datasets efficiently.
* Applied real-world data management techniques to organize, clean, and analyze financial datasets for better decision-making.
* Used analytical tools to gain insights from investment data, contributing to more informed growth strategies.

**PROJECTS**

**NBA Player Prop Betting Algorithm** **Brampton, Ontario**

*Personal Project* May 2025

* Designed and deployed a data focused sports betting algorithm that uses player performance data and statistical modeling to predict high-value NBA prop bets.
* Created a custom web scraper for FanDuel odds and integrated NBA Stats API to build a real-time pipeline for evaluating player overs/unders using a weighted average model over short- and long-term trends.
* Applied machine learning concepts (feature weighting, data cleaning, trend detection) to improve prediction logic, resulting in a 67% hit rate on recommended bets during evaluation allowing for $6000 dollars in profit.

**Spotify Listening Trends Dashboard Brampton, Ontario**   
*Personal Project March 2025*

* Built a web app that visualizes personalized Spotify streaming data year-round, similar to Spotify Wrapped.
* Integrated the Spotify Web API to fetch top artists, tracks, and genres, and displayed insights using Plotly**.**
* Enabled secure user login via OAuth and presented trends through interactive graphs and clean UI design.
* Used AI to recommend new songs by analyzing each user’s listening history, applying cosine similarity to compare user preferences with track features and identify the most relevant suggestions.

**Twitter Data Analysis London, Ontario**

*Personal Project January 2025*

* Developed a Python-based algorithm to analyze a dataset of tweets, classifying tweets based on audience relevance. Integrated **Twitter API** to programmatically fetch tweet data for real-time and historical analysis.
* Utilized lists and object-oriented programming in Python to interpret and score tweet content, focusing on sentiment analysis, keywords, and user engagement patterns to assess the target audience for each tweet.

**ACTIVITIES AND LEADERSHIP**

**Western Developer Society London, Ontario**

*Developer September 2023 – Current*

* Developed programming skills and broadened technical knowledge through active involvement, gaining practical experience and insights by attending various coding workshops and collaborating with peer developers.

**Project Management Sales Project Provincial Champion Toronto, Ontario**

*Associated with DECA Inc.*  *Februrary 2023*

* Placed 1st in the DECA Ontario provincial competition for the Project Management Sales Project Category, qualifying for the International Career Development Conference (ICDC) hosted in Orlando, Florida, by DECA Inc.

**SKILLS**

**Programming:** Java, Python, Go, JavaScript, HTML/CSS, C++, C, React.js, SDLC, SQL

**Tools:** PyCharm, Git, Bootstrap, VSCode, Atom, UI Design