Sourav Biswas

✉ sourav.j.biswas@gmail.com 📱 519-888-9891 in linkedin.com/in/sravb ○ github.com/SravB ⌨ sravb.github.io

Education

University of Waterloo (Expected) 2017 – 2022
Honours Bachelors of Computer Science
- Cumulative Average – 95.0% (4.0/4.0 GPA)

Wilfrid Laurier University (Expected) 2017 – 2022
Honours Bachelors of Business Administration
- Cumulative Average – 95.0% (4.0/4.0 GPA)

Projects

SumNotes Sep 2017
Python, HTML/CSS, JavaScript, JQuery, Flask, SQL
- Created a web app that autonomously takes summarized notes in lectures or meetings.
- **Won Hack the North 2017** – Best Use of Cockroach Database.
- Implemented a user login system with SQL.

Algorithmic Trading Jul 2017
Python, Scikit-Learn, Pandas, Matplotlib
- Developed a machine learning stock trading algorithm with a **Decision Tree**.
- Predicted stock price movements with **75% accuracy**.
- Accessed stock data using the **Google Finance API** and **Pandas**.

NBA Predictive Analytics Dec 2017
Python, Scikit-Learn, Pandas, Matplotlib
- Created a data visualization tool to help coaches detect areas of the court to prioritize defense.
- Simulated players' shooting with machine learning using **K-Nearest Neighbours**.
- Analyzed NBA players' gameplay by data mining their shooting data.

Experience

Computer Science Instructor Jun 2016 – Jun 2017
Sir John A. Macdonald S.S.
- **Improved class attendance by 40%** (50 to 70 students) through restructuring curriculum.
- Designed and delivered lessons on programming languages and computer science concepts.

Engineering Outreach Jul 2016 – Dec 2016
University of Waterloo
- Organized STEM related lessons and activities for students from ages 4 to 14.
- Explored topics such as data structures, web development, mobile development and GUIs.

Skills

- **Proficient:** Python, Java, HTML/CSS, JavaScript, Scheme.
- **Familiar:** C/C++, SQL, Firebase, Android, JQuery, Scikit-Learn, Pandas, Matplotlib.

Awards

- **Schulich Leader Scholarship** – Offered **$80 000** by Western University.
- **René Descartes National Scholarship** – Awarded **$25 000** by the University of Waterloo.
- **Governor General's Academic Medal** – Top academic standing **out of 250** students.
- **ECOO Programming Provincials** – Placed **9th out of 400+** teams.
- **Galois Math Contest** – Ranked **top 0.5%** in the world.