

# SOHAM SHAH

📞 647-915-2668 | ✉ s269shah@uwaterloo.ca | 🌐 sohamshah06 | 📧 soham06 | 🌐 sohamshah.netlify.app

## TECHNICAL SKILLS

**Languages:** Python, C, C++, JavaScript, HTML5, CSS3, SQL, R, Scheme, UML

**Frameworks/Libraries::** React, Node.js, Express, Flask, Pandas, NumPy, Matplotlib

**Tools/Technologies:** Git, MongoDB, MSSQL, AWS, Firebase, Postman, Jira, Confluence, Google Analytics

## EXPERIENCE

### Software Engineer Intern

May 2022 – Aug 2022

*Oliver Wyman*

*Toronto, ON*

- Working Insurance and Asset Management consulting division to provide global insurance providers with innovative tech

### Software Engineer Intern

Sept 2021 – Dec 2021

*Deloitte, Consulting*

*Toronto, ON*

- Led a team of 4 to engineer Canada's first all-inclusive insurance analytics solution by using **React** and implementing a backend architecture on **NodeJS** and **Express** expected to win client partnerships worth over **\$2 million**.
- Streamlined data consolidation processes by designing data pipelines and writing **ETL jobs** increasing clean data availability by **10%** to enable data analytics, modelling and visualization use cases.
- Collaborated on Deloitte InsurCloud's usage-based IoT telematics solution for insurance clients using **Python** and **Raspberry Pi** which is projected to reduce claims payouts by **20%** and reduce auto premiums by **18%**.
- Re-provisioned existing cloud infrastructure for insurance solutions using **AWS** tools such as EC2 Instances, S3, Elastic Beanstalk, Codepipelines, Glue and Sagemaker reducing cloud costs by **7%**.
- Engaged in **agile development** by creating user stories, leading epic planning meetings and conducting sprint reviews.

### Math/Science Tutor

May 2019 – Sept 2020

*Mathmagician Inc.*

*Brampton, ON*

- Interacted with and taught **40+** students math, chemistry and physics, achieving a **95%** satisfaction rate.
- Increased customer base by **15%** by collaborating in a team of 3 in the planning and execution of a new summer camp.
- Prepared detailed lesson plans to accommodate for each student's needs increasing students marks by at least **5%**.

## PROJECTS

### Rewind 🌐 🌐 | *React, NodeJs, Express, MongoDB, Material-UI, Redux, Axios*

- Developed a personal memory sharing web platform using **MERN Stack** with CRUD functionalities to support **7 app** in-app activities such as making new posts, deleting posts, liking posts, commenting on posts and updating posts.
- Implemented **MaterialUI** to create an elegant UI, while performing HTTP requests using **Axios** to obtain data.
- Used **NodeJS** for the backend and connected to a **MongoDB** Cluster to define data schema, store and update data.

### TextTrade 🌐 | *Python, Flask, Twilio API, Alpaca API, Heroku*

- Developed a SMS bot with **10+ commands** using Python to paper trade stocks and index funds.
- Leveraged Twilio's API to send outbound and receive inbound text messages, and used Alpaca API to make **HTTP requests** to execute buy/sell orders or retrieve market data.
- Deployed the bot using **Heroku** and set up a **HTTP monitor** on UpTimeRobot to allow for 24x7 connectivity.

### UnitBot (UofTHacks VIII) 🌐 🌐 | *HTML/CSS, Python, Javascript, Flask, NodeJS, SQLite Socket.io*

- Developed a networking platform for high-school students to find, message and connect with university students.
- Utilized **Bootstrap** for UI and **NodeJS, Express, Socket.io** for backend to allow for real-time communication between the client and server for the chat functionality.
- Implemented **SQLite database** to store user data collected from registration page and authenticate login requests.

## CERTIFICATIONS

### Advanced Google Analytics

*December 2021*

### AWS Certified Cloud Practitioner | Credential ID: KC3KQ9GLNF44QDS9

*November 2021*

## EDUCATION

### University of Waterloo

**Waterloo, ON**

*Candidate for Honours Bachelor of Computer Science*

*Sept 2020 – Apr 2025 (Exp)*

*Relevant Coursework: Algorithm Design and Data Abstraction, Object Orientated Programming*

**GPA: 3.81/4.00**