

SOHAM SHAH

☎ 647-915-2668 | ✉ s269shah@uwaterloo.ca | [in sohamshah06](https://www.linkedin.com/in/sohamshah06) | [gh soham06](https://github.com/soham06) | sohamshah.netlify.app

EDUCATION

University of Waterloo

Candidate for Honours Bachelor of Computer Science

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

Waterloo, ON

Sept 2020 – Apr 2025

GPA: 3.81/4.00

TECHNICAL SKILLS

Languages: Python, C, C++, JavaScript, HTML, CSS, SQL, R, Scheme

Technologies/Frameworks: React, Node.js, Express, AWS, Flask, Pandas

Tools/Databases: Git, MongoDB, MSSQL, Postman, Jira, Confluence, Google Analytics & Optimize

Product Management: Figma, Prototyping, Wireframing, User Stories, A/B Testing

EXPERIENCE

Software Engineer Intern

Sept 2021 – Dec 2021

Deloitte LLP, Consulting

Toronto, ON

- Led a team of 4 to engineer a big data analytics POC for insurance clients by using React and implementing a backend architecture on NodeJS and Express which is expected to increase revenue by **15%** and reduce costs by **8%**
- Streamlined data consolidation processes by designing data pipelines and writing ETL jobs increasing clean data availability by **10%**
- Implemented A/B testing to determine reasoning behind user behaviour and developed predictive models using A/B testing data improving digital user interactions by **44%**
- Engaged in agile development by creating user stories, leading epic planning meetings and conducting sprint reviews
- Re-provisioned existing cloud infrastructure for insurance solutions using AWS tools reducing infrastructure costs by **7%**
- Created IoT telematics POC solution for insurance clients which is projected to reduce claims payouts by **20%** and reduce auto premiums by **18%**.

Co-Founder and CEO

July 2021 – Present

SpotBook

Brampton, ON

- Spearheading the development and deployment of the iOS app using **Swift, Xcode** which serves as an online marketplace for users to rent local sports and recreational facilities.
- Designed **10** engaging user interfaces for the iOS app using **Figma** to optimize user workflows and user experience.
- Created a **business plan** to outline business values, marketing objectives, financial plans and growth plans of company.

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** to plan, execute and facilitate a new summer camp.
- Created 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 memory sharing platform using **MERN Stack** with CRUD functionalities to support 7 in-app activities.
- Designed a streamlined UI using **React** and implemented a backend service using **Node.js and MongoDB** to allow for real-time memory sharing

TextTrade 🎧 | Python, Flask, Twilio API, Alpaca API, Heroku

- Developed a SMS bot with 12 commands using Python to paper trade stocks, index funds and cryptocurrencies.
- Leveraged **Twilio's API** to send outbound or receive inbound messages and used **Alpaca API** to make HTTP requests to execute trades or retrieve market data.

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

- Developed a networking platform for high-school students to find, message and connect with university students.
- Utilized **Bootstrap** to create an elegant UI and **Socket.io** to allow for real-time communication between the client and server layer to enable the chat functionality.

CERTIFICATIONS

Advanced Google Analytics

December 2021

AWS Certified Cloud Practitioner | Credential ID: KC3KQ9GLNF44QDS9

November 2021