

# Shaishav Shah

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## Education

University of Alberta

Sep. 2020 – May 2024

Specialization in Computing Science — Business Minor; GPA: 4.0/4.0

Edmonton, Alberta

## Technical Skills

**Languages:** Python, C, C++, JavaScript, SQL, MongoDB, Express.JS

**Front-End:** HTML, CSS, JavaScript, React.JS, Redux

**Developer Tools:** VS Code, Git, Linux / Unix Environment, Android Studio, Heroku, Netlify, EC2 AWS

**Learning:** ASP.NET, Vue.JS, Angular.JS

## Relevant Coursework

- Data Structures
- Algorithms Analysis
- Software Engineering
- Software Methodology
- Database Management

## Projects

**Algorithmic Crypto-Bot** | *Python (Pandas, Numpy), AWS (EC2), Twilio, CCXT*

August 2021

- Developed an automatic bot using Python and CCXT Console to periodically fetch and scan cryptocurrency data for bullish / bearish candlestick patterns.
- Implemented Twilio's python package to send text message alerts to my number.
- Created a EC2 instance to run on AWS so that the program is able to run everyday from the cloud.
- Used Cron to schedule the program to execute hourly.

**Memories - Web App** | *MongoDB, Express.JS, React.JS, Node.JS, Redux, Mongoose, Heroku*

October 2021

- Developed a full-stack web application where users can create and view memories shared by other users.
- Implemented an API in Express to handle CRUD requests from the client-side form and deployed on Heroku.
- Front-end built using Material-UI react library and deployed on Netlify.

**Cash-Flow Management App** | *Java, Android Studio, Firebase (OCR)*

January 2021

- Created an Android application using Java and Android Studio to display spending habits.
- Processed user submitted receipts in the back-end of the app to classify into common spending categories.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

**Stock Widget** | *Python, BeautifulSoup4, Matplotlib*

October 2020

- Constructed a UI design-oriented graphical widget using object oriented Python to display the latest stock data requested by clients
- Scraped HTML data from finance websites with Beautiful Soup 4 to create labelled stock data.
- Utilized 'Finviz' to scrape and display relevant news for the requested ticker.

## Experience

**Discover Coding**

May 2021 – Sep 2021

Coding Instructor

Edmonton, Canada

- Strengthened programming fundamentals of students by delivering lesson plans relating to HTML, CSS, JS, and block coding (varying by age).
- Modified the company website using Elementor and Wordpress to reflect course development.