


# 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*

#### Relevant Coursework

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

## 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.

## Projects

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

August 2021

- Developed a bot using Python and CCXT console to identify cryptocurrencies for bullish / bearish candlestick patterns.
- Leveraged Twilio to generate text message alerts.
- Deployed an EC2 instance to run on AWS programmed to perform analysis hourly with Cron.

### 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 REST API in Express to handle requests from the client-side form and deployed on Heroku.
- Built front-end using Material-UI react library and deployed on Netlify.

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

January 2021

- Coded an android application using Java to display spending habits on Android Studio.
- Performed classification of user-submitted receipts using OCR to enable category view of spending.

### 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
- Labelled stock data by scraping HTML from finance websites with BeautifulSoup 4.
- Utilized 'Finviz' to scrape and display relevant news for the requested ticker.

## 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