




Aman Shah

☎ 226-666-9400 —  askaman — ✉ aman.shah@uwaterloo.ca —  amanshah.tech —  AmanShah05

SKILLS

Programming: Python | Java | Django | C/C++ | Swift | HTML | CSS | JavaScript | SQL | Flutter/Dart | React.js | Node.js

Tools & Technology: GIT | MongoDB Cloud | MySQL | Tailwind CSS | Postgresql | Postman | Swagger

Platforms: Linux | Web | Windows | Mac | iOS | Android | IBM Cloud | Oracle Cloud

Certifications: Oracle Cloud Infrastructure Foundations 2021 Certified Associate

PROJECTS

Teenager Startups/Teenivo Inc. | Co-Founder

Nov 2019 - Present

Waterloo, ON

- Teenivo Inc. is a social media platform for **3.2 billion pre-teens and teenagers** to connect and share their business ideas.
- Developed a responsive Front-end for Teenivo's website with **React.js (Express.js)** to deliver a comfortable **UI/UX**.
- Built **REST API** framework using **Django** and used the Django **ORM queries** to exchange data between **Postgresql** database and interface.
- Designed public API services using **Swagger**, and the website/app is hosted on **IBM Cloud**.
- Programmed an android app in **Flutter**; utilized Teenager Startups' database and API to transfer data to Teenivo's app/website.

Blogging Site | HTML, CSS, JavaScript, Node.js, Bootstrap, MongoDB, React

Nov 2021 - Dec 2021

- Developed a responsive **CRUD** application using **REST API** to allow users to create, search, update and delete their posts and profile. Utilized **Postman** for API testing and used **MongoDB** database to store user information and blog posts.
- Developed the back-end with **Node.js** and used **HTTP** methods to send information from forms to the server; utilized **Context API** to exchange user information with all components.
- Implemented **Axios** to send asynchronous HTTP requests to REST endpoints to perform CRUD operations.
- Designed a user-friendly front-end interface using **React, HTML/CSS** and **JavaScript**.

Phonebook | HTML, CSS, Django

Jun 2021 - Jul 2021

- Worked on Front-end using **Tailwind CSS** to build a unique interface with animation.
- Used **Django** to develop a **CRUD** application that allows creating, searching, update and deletion contacts.
- Sent user information using **ORM queries** into **SQLite Database**.

Tic-Tac-Toe | Swift

Nov 2021 - Nov 2021

- Coded a responsive **GUI** to all apple devices using **Swift** and **Swift UI** in **Xcode** to enhance IOS development skills.

Speak Up! | Python 3

Nov 2020 - Nov 2020

- Utilized **pyaudio** and **pyttsx3** for **text-to-speech/speech-to-text** in **Python 3** to create an interactive program for the visually impaired.
- Implemented both of these technologies simultaneously with **GUI** to build an interactive platform for visually impaired.
- Used the **Tkinter** library to code an easy to use front-end interface .

WORK & LEADERSHIP EXPERIENCE

Waterloop | Mechanical Team Member

Sep 2021 - Present

Waterloo, ON

- Built a **Powertrain** prototype with a miniature **LIM, HV Battery enclosure**, and a **Motor controller** to move the prototype.
- Constructed a **Solidworks** design of powertrain, including all the components and structure holding the parts.
- Currently working on designing the **sensors** and **control system** for Guidance.

Junior Achievement Waterloo | President

Jul 2020 - Aug 2020

Waterloo, ON

- Led a profitable company that sold candle cases consisting of **19 students entrepreneurs**.
- Managed the complete operation of the company and ensured all goals were met based on the company's strategic plans.
- Generated a total sales of **200+** products totalling **\$2400+** in **3-4 weeks**.

EDUCATION

University of Waterloo

Sep 2021 - Apr 2026

BASc. - Honours Mechatronics Engineering, President's Scholarship of Distinction - GPA: 3.81

INTERESTS

Entrepreneurship | IOT | Cloud | Robotics | Skydiving | Dancing (Lyrical, Locking & Popping, Bollywood) | Gymnastics