Aman Shah
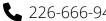
📞 226-666-9400   ✉ aman.shah@uwaterloo.ca   in askaman   ⊙ AmanShah05   🔗 amanshah.tech

🎓 EDUCATION

University Of Waterloo   **Sep 2021 – Apr 2026**
BASc. - Honours Mechatronics Engineering, President's Scholarship of Distinction

⚙ SKILLS

Programming: Python | Java | C/C++ | Swift | HTML | CSS | JavaScript | Django | SQL | Flutter/Dart | React.js | Node.js | Vue.js
Tools & Technology: MongoDB Cloud | MySQL | Git | Tailwind CSS | Postgresql | Postman | IBM & Oracle Cloud | Swagger
Certifications: Oracle Cloud Infrastructure Foundations 2021 Certified Associate

💼 EXPERIENCE

GrantMatch | Junior Software Developer   **May 2022 – Aug 2022**
- Developed and enhanced test suits and scripts to improve security of the application.
- Created forms in Vue.js using old larval code from their old platform to the new **Django** platform and unit tested using **jest**.
- Constructed web pages with login, data grid view paging, and data manipulation functionality with **HTML, SQL,** and **Vue.js.**

Waterloop | Mechanical Team Member   **Sep 2021 – Apr 2022**
- Built a Powertrain prototype with a miniature **LIM**, **HV Battery enclosure**, and a **Motor controller** to move the prototype.
- Designed and constructed a **Solidworks** design of powertrain, including all the components and structure holding the parts.
- Currently working on designing and researching the **sensors**, **solenoid actuators** and **control system** for Guidance.

Junior Achievement | President   **Oct 2019 - Jun 2020**
- Led a profitable company that sold candle cases consisting of **19 students entrepreneurs** and won "**Best Company Award**".
- Managed the complete operation of the company and ensured all goals were met based on the company's strategic plans.
- Generated total sales of **200+ products** totalling **$2400+** in **3-4 weeks** and won the "**Highest Sales Award of the Year**".

🚀 PROJECTS

Teenager Startups/Teenivo Inc. | Co-Founder   **Nov 2019 - Present**
- 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 **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** to keep the date save online.
- Coded an android app in **Flutter**; utilized Teenager Startups' database and API to transfer data to Teenivo's app/website.

Blogging Application | HTML, CSS, JavaScript, Node.js, Bootstrap, MongoDB, React   **Nov 2021 - Dec 2021**
- Developed a responsive **CRUD** app using **REST API** to allow users to create, search, update and delete their posts and profile.
- 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 components and MongoDB to store user information and blog data.
- 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;** Utilized **Postman** for API testing

Phonebook | HTML, CSS, Django   **Jun 2021 - Jul 2021**
- Worked on Front-end using **Tailwind CSS** library to build a unique interface with animation.
- Used Django to develop a **CRUD** application that allows to create, search, update and delete contacts.
- Sent user information using **ORM queries** into **SQLite Database**(Django inbuilt 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**
- Used **pyaudio, pyttsx3,** and **GUI** for **speech recognition** in **Python 3** to build an interactive program for the visually impaired.
- Utilized **Tkinter** library to code an easy to use front-end interface for user who would want to use the normal application.

Instagram Analyzer | Pandas, JSON, Numpy, Python   **Jan 2020 - Feb 2020**
- Analyzed Instagram chats to calculate chat favorite words, timeseries data plotting, sarcasm detector and tone detector.

💡 INTERESTS

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