Omer Adeel

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Skills

Languages	Python	C++	C	JavaScript	HTML/CSS
Frameworks	React	Flask	React Native	PyGame	Processing
Tools	Git	S3 AWS	Netlify	Arduino/Nucleo STM-32 Hardware	Fritzing	TinkerCad

Projects

Accesso App 🔗 | React Native, EXPO CLI, Figma
- Developed user-interactive MVP app, hosting 1500+ store reviews for non-profit organization *Accesso Canada* using React Native and EXPO CLI improving service accessibility for users on the go
- Designed aesthetic and functional user interface through several iterations of wireframing models using Figma

Validdit 🔗 | Python Flask, JavaScript, HTML/CSS, PRAW (Reddit API)
- Developed responsive web-app to detect misinformation in Reddit posts by identifying keywords in comments/posts
- Retrieved data by sending HTTP requests to a REST API (PRAW) and integrated front and back-end using Python Flask

2021 Web-Portfolio 🔗 | JavaScript, Netlify, HTML/CSS, Zapier
- Deployed aesthetic website portfolio on Netlify showcasing 12+ coding projects using JavaScript and HTML/CSS
- Created user contact-form with Zapier and JS project gallery with modals, project filtering, and video/text descriptions

Python Sudoku & Auto-Solver 🔗 | Python, PyGame GUI
- Developed Python Sudoku including menu screens, a replay feature, and an auto-solver using OOP and PyGame GUI
- Implemented controllable frame-rate and coded efficient auto-solve feature using backtracking recursion algorithm

Binary Riddle 🔗 | C, Nucleo STM-32 Microcontroller & Hardware
- Built interactive binary trivia game using mid-level micro controller Nucleo STM-32 programmed in C language
- Applied knowledge of hardware/electrical systems by creating a circuit with wiring, buttons, LEDs, an LCD, and buzzer
- Demonstrated PM skills with budgeting plan, GANTT chart, and design document to execute the project

Experience

Chief Technology Officer 🔗 | Accesso Canada – *Toronto, ON*　　　　　　　　　　　　　*June 2020 – Present*
- Executed website revamp project including migration of 1500+ reviews resulting in 8000 views a month, a 300% increase
- Pitched to 400+ viewers in LOI, Bleed The North, and YIC, placing 7th of 300 organizations in YIC winning a $1000 grant
- Facilitated meetings, maintained website, and led app-development as head of IT department consisting of 8 members

Chief Technology Officer & Co-Founder 🔗 | PRVD – *Toronto, ON*　　　　　　　　　　*May 2020 – Present*
- Co-founded federally registered Non-Profit Organization dedicated to making youth philanthropy widely accessible
- Established organizational strategic plan, maintained website, and managed client relationship with three local charities

President | YMCI Programming Club – *Toronto, ON*　　　　　　　　　　　　　　　*Sept. 2020 – June 2021*
- Taught members Python programming concepts such as OOP, BFS/DFS (graph theory), recursion, and linked-lists
- Structured the curriculum, and delegated tasks to the executive team to create biweekly lessons for 25+ club members

President | YMCI Cozy Project Charitable Club – *Toronto, ON*　　　　　　　　　　　*Sept. 2019 – June 2021*
- Raised $1000 from hosting events such as merchandise sale, clothing drive, and food sales for the homeless population
- Managed 20 club members, conducted weekly meetings, and coordinated events with local charities and school staff

Education

University of Waterloo　　　　　　　　　　　　　　　　　　　　　　　　　*2021-2026 (expected)*
Computer Engineering, Bachelors of Applied Sciences (BASc) – CGPA: 3.9　　　　　　　*Waterloo, ON*
- **Academic Rep:** Elected to advocate on behalf of 120+ students in ECE program by consulting with the dean of engineering and professors to fix issues such as curriculum delivery, marking schemes and student accommodations

Achievements
- Governor General's Academic Medal (Highest Graduating High School Academic Average)　　*June 2021*