Ali Raza Zaidi

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Ambitious · Collaborative · Analytical · Innovative · Creative · Dilligent · Flexible

Education

University of Waterloo
B.CS · Computer Science
September 2020 - Present (Expected: April 2025)
Courses: Functional Programming

Bayview Secondary School
IB Diploma · OSSD
September 2016 - June 2020
Courses: Introduction to Computer Science

Skills

Python (Skilled) · **Java** (Skilled) · **HTML5** (Skilled) · **CSS3** (Skilled) · **Javascript** (Beginner) · **Bootstrap** (Skilled)
C (Beginner) · **MS Office** (Intermediate) · **Git** (Skilled) · **LaTeX** (Beginner) · **Spoken Languages** → English & Urdu

Projects

CaPredictor · **Python** · **Flask** · **HTML5** · **CSS3** · **Bootstrap** · **Git** · **Heroku** · **Scikit-Learn**
Constructed a website to project the current market value of over 900 NHL players through Python data modelling, front-end development in Bootstrap alongside back-end development in Flask, & SQLAlchemy.

Climatech · **Python** · **Flask** · **HTML5** · **CSS3** · **Bootstrap** · **JS** · **Git** · **Heroku** · **Scikit-Learn**
Led the development of a web app to raise awareness of climate change within Canada. Leveraged data modelling, a Flask back-end, LeafletJS and more, to provide tailored climate predictions for almost 9000 municipalities and weather stations across Canada, as part of the 2021 C4CA Datathon.

EduCreate · **HTML5** · **CSS3** · **JS** · **Git**
Spearheaded the front-end development of an e-learning platform using HTML, CSS and vanilla Javascript, to make education accessible and entertaining, as part of the 2020 DIC Hackathon.

ACNH Bot · **Java** · **JSON** · **Git** · **Binary Search**
Developed an autonomous Twitter Bot to broadcast ACNH updates using Java, the Twitter API & sort/search algorithms, to formulate daily tweets, with hundreds of possible inputs and outputs, gained through the ACNH API.

Green Dome · **Java** · **XML** · **Android Studio** · **Git** · **UI Design**
Built a religious multi-purpose tool using Android Studio (Java & XML) that offers a multitude of fast, reliable and accurate services, such as a Qibla Compass and a Salah Clock.

GitHub · Additional projects are available on my GitHub Page → (github.com/AliRZ-02)

Experience

High School Mathematics Tutor · **Self-Employed** · *February 2020 - Present*
· Design personally tailored lessons using course curricula to foster student interest in the instructional content.

Miscellaneous Volunteer · **Al-Haadi Sunday School** · *September 2015 - June 2020*
· Handled miscellaneous tasks and designed innovative lessons using a variety of technologies to stimulate student learning.

Volunteer Tutor · **YRDSB** · *September 2016 - February 2020*
· Tutored Science and Urdu as an in-person tutor to help students deepen their understanding of the course material.

Achievements & Activities

Awards, Teamwork & Leadership
· University of Waterloo → President's Scholarship of Distinction
· Al-Haadi Sunday School → Valedictorian of the 2019 Graduating Class & Student Council President
· Bayview Secondary School → 97.2% average in Grade 12 · Honor Roll · Volleyball Team · Track Team

Interests
· Hockey · Basketball · Volleyball · Astrophotography · Reading · Machine Learning · Sports Analytics