

Abdullah F. Khan

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Skills and Attributes

- Experienced full-stack web developer comfortable with **Node.js**. My skill set includes a blend of several preprocessors such as **Pug** and **SASS** and quite a few **JavaScript** frameworks (**React.js**, **jQuery**, **p5.js/Processing**, and **Socket.io**, to name a few). To develop RESTful applications, I prefer using **Express.js**, and **MongoDB**.
- Knowledge of **Linux** servers, system administration and maintenance.
- Competent in designing user interfaces and user experiences (using **Figma**, amongst other prototyping/design tools).
- Skilled with **Python 3** scripting and have used frameworks/libraries such as **Django**, **Flask**, **Numpy**, and **TensorFlow** in the past.
- Years of academic experience using **Java** (including **JavaFX**).
- Participated in several international programming events such as Google Code-In and Hacktoberfest to gain first-hand industry experience.
- Adept at using **Git** and **GitHub** to contribute to the open-source world and collaborate with teammates.
- Fluent in English & Urdu. Semi-fluent in and currently learning French.
- *Nowadays, I am learning the **React Native** ecosystem along with **Expo.io**.*

Projects Highlight

- Applied the Local Binary Patterns Histograms Face recognition algorithm in Python 3 using the open-source library, **OpenCV**. Source: <https://github.com/abdullah-K/face-recognition>
- Developed and designed an encrypted, real-time messaging web application using **Node.js** and **Socket.io**. Source: <https://github.com/abdullah-K/socketChat>
- Implemented several supervised machine learning algorithms such as linear regression, decision trees, K-Nearest Neighbors, etc. in JavaScript and Python 3 using **TensorFlow** and scikit-learn.

Education

- Westwood Community High School/Sir Winston Churchill High School - Graduated 2018
 - Studied AP Computer Science.
 - Certificate of Distinction from the University of Waterloo by competing in their Canadian Computing Competition — placed within the top 25% of competitors Canada-wide.
- Studying Computer Science at the University of Calgary - Expected graduation 2022

Coursework

High School, completed: CS101 (Intro to Computer Programming), CS201 (Object-based Programming with Java), CS202 (Object Oriented Designs and Data Structures), CS301 and CS302 (Dynamic Data Structures, Recursion, and Sorting Algorithms)

University of Calgary, currently enrolled in: CPSC 233 (object-oriented analysis and design of small-scale computational systems), STAT 213 (introduction to probability, Bayes' law, expectations and distributions), PHIL 279 (sentential and first-order logic), Linear Algebra...