Abdullah F. Khan

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Skills and Attributes

- Experienced full-stack web developer with 3 years of experience. Proficient with **Node.js**. Worked with quite a few **JavaScript** frameworks including **React.js, jQuery, p5.js/Processing**, and **Socket.io**. Some NoSQL database experience using **MongoDB**.

- *Currently building and learning native mobile applications using **React Native**, **Expo**, **Swift**, **Xcode**, and **Android Studio**.*

- Knowledge of **Linux** servers, system administration and maintenance.
- 4+ years of academic experience using **Java** (including **JavaFX**).

- Skilled with **Python 3** scripting and have used frameworks/libraries such as **Django**, **Flask**, **Numpy**, and **TensorFlow** in the past.
- Competent in designing user interfaces and user experiences (using **Figma**, **Illustrator**, and **Inkscape**).
- 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 within a team environment.
- Full working proficiency in English & Urdu. Limited working proficiency in and currently learning French.

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.
  - Competed in University of Waterloo's Canadian Computing Competition — placed within the 25th percentile Canada-wide.
- University of Calgary - Computer Science, expected graduation 2022

Relevant Coursework

High School, completed: Intro to Computer Programming, Object-based Programming with Java, Object Oriented Designs and Data Structures, Dynamic Data Structures, Recursion, and Sorting Algorithms
University of Calgary: Object-oriented Programming, Introduction to Statistics, Sentential and First-order logic, Linear Algebra