






# Akshay Pall

University of Waterloo **Software Engineering** Candidate 2021

 akshaypall.me  
 akshaypall  
 linkedin.com/in/akshaypall  
 akshay.pall@uwaterloo.ca  
 (647)-961-8297

## Skills

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**Languages:** Experienced with Java (Android), C; Familiar with C++, Javascript, Bash, Octave

**Libraries/APIs:** Firebase, Google Play Services, Facebook, Parse, NumPy, Pandas

**Tools:** Git, SVN, Vim, Android Studio, IntelliJ, WebStorm, Sketch, Sublime Text

## Experience

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**Mindbend Studio** • Co-Lead Android Developer • July 2015 - December 2015

- Built **Android** app for infor[me], a platform to organize announcements from organizations ([mindbend.io](http://mindbend.io))
- Deployed beta release to over **1000 users** and developed additional features based on feedback
- Wrote server-side functions in **Javascript** using **Parse** to allow for instantaneous code deployment
- Used **git** for version control and collaborative work
- Drafted mockups in **Sketch** to create unified **UI/UX** for both OSes
- Conducted regular meetings with key stakeholders to ensure satisfaction

## Projects

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**BitDate** • Android Tinder Clone

- Constructed real-time matching and chat between users using **Firebase**, **Parse**, and **Facebook** APIs

**Hack Your Health** • Nutritional Info Android App

- Utilized barcode scanning to retrieve nutritional facts on various foods using **Nutritionix** API

**Discoveo** • Geographical Exploration Android App

- Pulled lat/long using **Google Play** services to store in **Parse** database

**SE Sound Sequencer** • Mini-Digital Audio Workstation

- Developed real-time audio manipulation software in **C** on the **Arduino**-based Tiva Launchpad
- Mapped I/O of switches, buttons, potentiometers, and displays to track editing functions

**Practice Problems** • Hackerrank

- Published a GitHub repo of some CS problems I have solved on [Hackerrank.com](https://www.hackerrank.com)

## Relevant Coursework

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**Python for Data Analysis** • Udemy

- Data science using **Pandas** and **NumPy** libraries for **Python**

**Machine Learning** • Stanford University

- Intro to **Machine Learning** for software development using **Octave**

## Awards and Scholarships

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**Schulich Leader Scholarship** • \$80 000 • University of Toronto

**President's Scholarship of Distinction** • \$2 000 • University of Waterloo

**1A Term Dean's Honours List** • University of Waterloo