

PADAM CHOPRA

padamchopra.me | [GitHub/padamchopra](https://github.com/padamchopra) | [LinkedIn/padamchopra](https://www.linkedin.com/in/padamchopra) | p5chopra@uwaterloo.ca

SKILLS

Languages Java, C++/C, TypeScript, JS, Python, Kotlin, Bash, Scala, Dart, Scheme, Go, Web, and SQL
Tools Git, Vue, Android, Flutter, AWS, Node.js, Mongo, Tensorflow, Keras, and Firebase

EXPERIENCE

NLP Developer Intern, Ceridian Dayforce

Jan - Apr 2021

- Created a **microservice** in Java to allow company products to leverage **natural language understanding**.
- Improved logic to recognise non-english names and client entities in queries and made it **40% faster**.
- Automated build and continuous deployment by setting up pipelines in the organization server.

Android Developer Intern, Ceridian Dayforce

May - Sep 2020

- Added support for **six native accessibility tools** by spearheading shift to a more accessible application.
- **Increased speed** by 20% and reduced **network load** by implementing a **paginated suggestions** module.
- Reduced steps required to launch a user's favorite widgets by **60%** by adding app shortcuts.
- Redesigned the **entire login experience** by supporting dark mode and material widgets.

Full-stack Developer Intern, AYORents

Jul - Sep 2019

- Created API endpoints for server-interaction and re-architected cloud clusters to **ease scalability**.
- Reduced data fetching and processing time on a client by **30%** by adding MongoDB aggregation pipelines.
- Implemented **reusable widgets** for the cross-platform mobile application.

Mobile Developer, Bharosa and Company

Apr - May 2019

- Architected a **paperless invoice and client management** mechanism for Android using Firebase.
- Accelerated invoice creation and distribution by **70%** via automation and implementing it as a one-click mechanism for frequent clients.

PROJECTS

<u>TIL</u>	<i>[Vue.js, TypeScript, Node.js]</i> A platform for developers to create utility out of recording and exploring code snippets.
<u>Habitus</u>	<i>[Flutter and Dart, Firebase]</i> A mobile app to help people track and build habits with a crowd-sourced habit library.
<u>Practikality</u>	<i>[Android, Java, AWS, Google Cloud, Azure]</i> An android app to help the mute, deaf and visually impaired interact better.
<u>Taskout</u>	<i>[Node, Express, Mongo, HTML, SASS]</i> Your to-do, by others. Web app with pin secured task-sharing with no sign-up required.

ACHIEVEMENTS

- **Prize Winner** at DeltaHacks VI, McMaster University for building a blockchain merchant application.
- **Project mentor** for Sustainable Computing Research Group in **Google Summer of Code**.
- **World Finalist** for **Microsoft Imagine Cup** at Microsoft HQ, WA for building an Azure integrated mobile app.
- **Grand Prize Winner** in **Google Code-in** and invited to Google HQ, CA for closing 70+ Android, Python, and Angular tasks on GitHub for an open-source organization.
- **Global Winner** for the **DECA Idea Challenge** organized as part of the Global Entrepreneurship Week.

EDUCATION

Bachelor of Computer Science (2B)

Sep 2019 - Present

University of Waterloo | CGPA: 4.0

- \$15K Computer Science Scholarship; Dean's Honour List; Presidential Scholarship of Distinction.
- **Core Developer** at Google DSC; **Mentor** at StarterHacks 2020; **Office Staff** at Computer Science Club.
- Courses: Mini compilers/Sequential Programs, Data Abstraction, Data Structures, Algorithms, OOP, and UI