PADAM CHOPRA

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SKILLS

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

EXPERIENCE

Software Engineering Intern, Ritual Technologies Inc.   Sep 2021 - Present

NLP Developer Intern, Ceridian Dayforce   Jan - Apr 2021
- Set up a **microservice** in Java to allow company products to leverage **natural language understanding**.
- **Improved named entity recognition** for non-english names and custom client entities in queries.
- 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 a 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
- Developed a **paperless invoice and client management** mechanism to help with faster service delivery.

PROJECTS

<u>TIL</u>	*[Vue.js, TypeScript, Node.js]*	
	A platform for developers to create utility out of recording and exploring code snippets.	
<u>Habitus</u>	*[Flutter and Dart, Firebase]*	
	A mobile app to help people track and build habits with a crowd-sourced habit library.	
<u>Practikality</u>	*[Android, Java, AWS, Google Cloud, Azure]*	
	An android app to help the mute, deaf, and visually impaired interact better.	
<u>Taskout</u>	*[Node, Express, Mongo, HTML, SASS]*	
	A web app with pin-secured task sharing; create your to-dos, by others.	

ACHIEVEMENTS

- **Research Assistant** at the University of Waterloo; focusing on using machine learning for greenhouse plants.
- **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.

EDUCATION

Bachelor of Computer Science (3A)   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, and OOP