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🔗 [Personal Website](#)

SPARSH PAI

Skills Summary

- **Languages:** Java, Python, C++, Swift, SQL (Basic)
 - **Technologies:** Android, IOS, Git Version Control, TensorFlow, NumPy, Pandas, Matplotlib, AWS Lambda (Basic)
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Work Experience

Software Engineering Intern

Dimensional Interactive (Startup) [OS: MacOS, Swift, Git Version Control, Firebase]

Toronto, ON
Sept 2020 – Current

- Architected major UX/UI features
- Allowed for **50%** increase in user information retrieval rate
- Heavily used **Protocols and Delegates** design pattern
- Extensively practiced MVC architecture
- Implemented **7+** features from **concept** through **deployment**
- Allowed for data persistence using pre-configured **Firebase** backend and **local data storage**

Full Stack Android Developer

Revyoo.me Inc (Startup) [OS: Ubuntu, Java, Git Version Control, SQL, AWS Lambda, Node.js]

Guelph, ON
Jan 2020 – Apr 2020

- Integrated Google Places TextSearch API to enable proximity-based search and autocomplete
 - Decreased user search time by **250%**, allowed for visibility of **500%** more locations on average
 - Removed **25+** deprecation issues and took code base from non-functional to functional
 - Independently led development and added **5+** crucial features
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Projects

InfantXpert [Python, TensorFlow, Git Version Control]

Feb 2020

- *McMaster Delta Hacks VI – **1st Place Overall, 150+ Competitors***
- Led development of a deep learning neural network to detect likelihood of infant requiring medical attention
- Achieved ~ **90%** training accuracy
- Played a key role in the ideation and presentation periods

HealthMod [Java, Android, TensorFlow, Git Version Control]

Jan 2020

- Used the AWS ML libraries to create a model that can detect a user's susceptibility to heart disease
- Mentored the development of an Android application to enter user data
- Assisted in creation of a MySQL server to process inputted data

MedLife [Java, Android, OpenCV]

Jan 2019

- *HOSA Medical Innovations Original Category **National Qualifier, 200+ Competitors***
 - Created an Android application to detect infections in the ear
 - Assisted in OpenCV software development
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Leadership

Waterloo App Development Team Co-Founder

Sep 2019 – Dec 2020

- Created a club as a first-year student focused on developing Android and IOS apps
 - Managed a group of **30+** students
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Education

University of Waterloo

BASc Computer Engineering

Waterloo, ON
Sep 2019 – Present