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in Sparsh Pai

SPARSH PAI

Skills Summary

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

Full Stack Android Developer

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

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

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

Trivia App [Java, Android, Volley]

- Used an API to retrieve ~100 questions
- Implemented an interface to ensure proper API execution
- Added animations to better the application flow

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

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

FocusFinder [HTML, Bootstrap]

Jan 2018

- *YorkU Hacks Lassonde School of Engineering Challenge 1st Place, 60+ Competitors*
 - Assisted in the creation of a website to aid kids with learning disabilities
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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

HOSA (Health Occupations Students of America) Chapter President

Sep 2018 -Jun 2019

- Led and managed a group of **30+** students
 - Increased National qualifications by **250%** from the previous year
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Education

University of Waterloo

BASc Computer Engineering

Waterloo, ON
Sep 2019 – Present