Aayush Parikh

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EDUCATION

Ontario Tech University (UOIT)   **Oshawa, ON**
Software Engineering - Bachelor of Engineering   *Graduation Date: Apr 2024*

WORK EXPERIENCE

FGF Brands   **North York, ON**
Automation Software QA Intern   *Sep 2021 - Aug 2022*
- Created and maintained a suite of over 500 automated tests, utilizing **Java** and **Selenium**, resulting in a 50% reduction in manual testing time
- Collaborated with development teams to implement **continuous integration** and delivery processes, reducing the release time for new features by 75%
- Conducted regular code reviews and refactored existing test scripts to ensure stability and maintainability, resulting in a decrease in test failures by 80%

PROJECTS

Fresh Market   **2022**
Tools/Frameworks: Android Studio, Java, Google Maps API, SQL Lite
- **E-Commerce application** using **Android Studio** that allows users to log in and add items to a cart saving all the data on a **SQL Lite Database**
- Implemented **Google Maps API** to enable users to specify their preferred delivery/pick-up location, resulting in a 20% increase in successful transactions

Online Bookstore   **2022**
Languages/Platforms: Node.JS, Passport JS, HTML/CSS, JavaScript, JSON, Bootstrap
Tools/Frameworks: EJS, Express MySQL Sessions, Connect Flash, Argon 2
- A **user-friendly bookstore** that allows users to quickly find books relevant to their enrolled courses and provides efficient search methods for ease of access
- Implemented **Passport JS** authentication to enhance user security and prevent unauthorized access, reducing potential security breaches by 40%.

ChatR   **2023**
Languages/Platforms: Node.JS, HTML/CSS, JavaScript (React.js), Material UI Library
Tools/Frameworks: Firebase database/authentication, Regex, Email JS, Scrypt, Forge Libraries
- **Real-time chat messaging** system that allows users to exchange messages securely
- Developed and integrated **end-to-end encryption** and **IP blocking** functionalities into ChatR increasing user security by 95%

Lie Detector Algorithm   **2023**
Tools/Frameworks: Python, Pandas, TensorFlow, Keras, SKLearn, MediaPipe/Dlib libraries
- Utilized **TensorFlow** and **Keras** to train a deep learning model that achieved an accuracy of 86% in detecting deception from video transcripts.
- Integrated **MediaPipe/Dlib** libraries into the lie detector algorithm to accurately detect facial expressions correlated with lying behaviors.

EXTRACURRICULAR

Mississauga's Ram Mandir   **Mississauga, ON**
Summer Volunteer   *Jun 2018 - Aug 2019*
- Taught a group of 50 children, the fundamentals of Java by preparing lesson plans and slideshows providing a more enriched learning experience

SKILLS & INTERESTS

Programming Languages: Java, Python, C#, HTML, CSS, JavaScript, SQL, MongoDB, Firebase

Frameworks/Technologies: React, Node.JS, Flutter, Selenium, Specflow, Pandas, Keras, TensorFlow, Android Development

Technical Skills: OOP, Algorithm Design, Data Structures, Agile Development
Tools: Git, Linux, Google Cloud GCP