

Aradhya Singh

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🖱 aradhya.dev

EDUCATION

Bachelor of Science, Computer Science
York University, Lassonde School of Engineering

2019 – 2023
Toronto, Ontario

EXPERIENCE

QA Analyst Intern
theScore

01/2023 – present
Toronto, Ontario

- Conducting cross-platform testing (Android, iOS, and Web) to assess readiness for production releases of sports media and betting apps.
- Developing test cases in TestRail and executed test plans to ensure high-quality feature delivery, and participated in bug triaging, priority assessment, and coverage tracking.
- Collaborating with cross-functional teams to ensure adherence to best practices and standards in QA, and working with the Test Automation team to review, prioritize and analyze test cases for automation results.

Software Developer
Fibra Inc

01/2023 – present
Toronto, Ontario

- Creating and integrating RESTful APIs using Node.js and Firestore, allowing for efficient data storage and retrieval in the Fibra app.
- Utilizing React Native to design and implement an efficient user experience.
- Implementing user authentication and security features using Firebase Auth and Firestore Security Rules, ensuring the safe and private storage of user data.

Backend Developer
csHUB : York University

12/2022 – present
Toronto, Ontario

- Designing and developing the backend architecture for the merch store, using SpringBoot to create robust and scalable APIs and DAO layer.
- Implementing complex business logic and optimized database queries to improve API performance, resulting in a 20% reduction in response time.

PROJECTS

Sorting Algorithm Visualizer ☑
Javascript

- Developed a sorting visualizer that implements the Bubble Sort, Insertion Sort, and Selection Sort algorithms and uses array visualization to show the sorting process.
- Used JavaScript for the implementation of the sorting algorithms and React for the frontend.

Face-Track Attendance ☑
Python, openCV

- Implemented a Python program using **OpenCV** and the **face_recognition** module to detect and recognize faces in video frames from a web camera.
- Defined a function to generate face encodings for a list of known images and used the encodings to compare against faces detected in the video frames.
- Saved the attendance data to a .csv file, if a match was found and timestamped with the current time.

AI Speech Assistant ☑
Python, RESTapi

- Developed a voice assistant that can play music, provide the current time, give information from Wikipedia, tell jokes, and provide the current weather in a given city.
- Used the **speech_recognition**, **pyttsx3**, **pywhatkit**, **wikipedia**, **pyjokes**, **requests**, and **JSON** modules to enable these features.
- Integrated the OpenWeatherMap API to get weather information.

CS HUB : Local Hack Day Website. ☑
HTML, CSS, Javascript, React, Bootstrap

- Designed and built the Local Hack Day hackathon website for CS Hub at York University using React.js, Bootstrap and JavaScript.
- Applied responsive design and user-friendly features to enhance user experience and utilized Figma to create website templates.
- Collaborated with the team to ensure the website met the organization's needs and provided technical support throughout the development process.

SKILLS

Skills:

Java, Python, Javascript, Node.js, Selenium, Bash, Git, MySQL, REST APIs, HTML, CSS