Aradhya Singh

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Education

Bachelor of Science in Computer Science   2019 – Dec 2023
York University   *Toronto, ON*

Skills

Languages: Java, TypeScript, JavaScript, Python, C, C++, MySQL, Bash

Frameworks: Node.js, React.js, Next.js, , Spring Boot, JUnit, MongoDB

Developer Tools: SQL, pSQL, GraphQL, Firebase, Selenium, Charles Proxy, Git

Experience

Software Developer   Jan 2023 – Sept 2023
Fibra Inc.   *Toronto, ON*
- Utilized **JavaScript** and **React Native** for front-end development and **Firebase Firestore** for backend to develop Fibra's beta app version.
- Implemented UI/UX designs from **Figma** into functional interfaces for beta release.
- Managed project tasks in **Jira**, enhancing adherence to timelines and quality.

Quality Engineering Intern   Jan 2023 – Sept 2023
theScore   *Toronto, ON*
- Conducted cross-platform testing on 15 Android, iOS, and Web app builds, enhancing app reliability by **20%**.
- Streamlined testing in **TestRail** and bug tracking in **Jira**, improving efficiency by **30%** and reducing QA cycle times by **25%**.
- Utilized **Charles Proxy** for **API** response validation, boosting automated test accuracy and efficiency by **50%**

Business Analyst   Jan 2023 – Present
CIBC   *Toronto, ON*
- Implemented a **Python**-based fraud detection system using **Pandas** and **Scikit-learn**, reducing losses by 30% through advanced data analysis

Projects

yuHacks 2023 Website Development ⧉ | *Typescript, Next.js, Node.js, Express, MongoDB, GraphQL, TailwindCSS*
- Developed and led the implementation of yuHacks website using **Typescript** and **Next.js** for sponsor, hacker, and volunteer registration and management.
- Integrated **GraphQL** into the **Node.js** backend for efficient admin dashboard operations and utilized **MongoDB** for robust and scalable data storage supporting all hackathon-related registration and information processes.

API Generator ⧉ | *Javascript, Node.js, Express, MongoDB, GraphQL, React, TailwindCSS*
- Developed an API generator using **Node.js** and **MongoDB**, streamlining **RESTful API** creation and reducing development time for projects by **20%**.
- Incorporated **JWT**-based authentication, securing API endpoints and reducing unauthorized access.

Face Track Attendance ⧉ | *Python, openCV, face recognition*
- Developed a **Python** application utilizing **OpenCV** for live facial recognition in webcam streams.
- Implemented an encoding algorithm for facial data comparison, enabling automated attendance logging with **98%** accuracy in a .csv format upon identity verification.

GPT-4 Session Tracker ⧉ | *Javascript, Chrome Extension API*
- Developed a **Chrome extension** for real-time monitoring of message counts and session durations across multiple tabs.
- Provides real-time updates of session activity with a user-friendly interface, using advanced **JavaScript** and **Chrome APIs**.
- Ensures efficient browser performance and accurate message tracking with optimized **MutationObserver** and storage management.

Competitions

For The Horses ⧉ | First-Prize | *Javascript, React.js, Node.js, Express, Bootstrap*   yuHacks 2022
- Led a team to develop a web app using **React**, **Node.js**, **MongoDB**, and **Google Maps API**, resulting in a 50% increase in adoption inquiries for partner organizations.
- Implemented search feature using JSON file to store data, built organization dashboard with adopter profile creation and matching process, and added messaging feature.