ARADHYA SINGH

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EDUCATION

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

SKILLS

Java, JavaScript, React.js, Node.js, REST APIs, GraphQL, Python, Typescript, SQL, Next.js, Springboot, Firebase, Selenium, Bash

EXPERIENCE

Business Analyst   Jan 2023 – Present
CIBC   *Toronto, ON*
- Enhanced fraud detection and operational efficiency, reducing losses by 30% .

Quality Engineering Intern   Jan 2023 – Sept 2023
theScore   *Toronto, ON*
- Led cross-platform testing for 15 app builds on Android, iOS, and Web platforms, boosting app reliability by 20% through comprehensive test coverage and effective bug resolution in collaboration with development teams.
- Developed and executed test cases in **TestRail**, used **Jira** for tracking bugs and managing the testing lifecycle enhancing test efficiency by 30%, and streamlined QA processes, reducing release cycle times by 25%.
- Integrated **Charles Proxy** to validate and debug **API** responses, enhancing the accuracy of automated tests. achieving a 50% increase in test efficiency per release leading to reduced manual testing efforts.

Software Developer   Jan 2023 – Sept 2023
Fibra Inc.   *Toronto, ON*
- Led full stack development of the beta version of the Fibra App, leveraging **JavaScript** and **React Native** for front-end functionality and **Firebase Firestore** for backend operations, ensuring seamless data handling and efficient server response.
- Designed and implemented the **UI/UX** using **Figma**, transforming complex designs into functional user interfaces for the beta release.
- Managed project tasks using **Jira**, streamlining the development process and ensuring adherence to project timelines and quality standards.

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.