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, SQL, Bash

Frameworks: Node.js, React.js, Next.js, , Spring Boot, postgreSQL, MySQL

Developer Tools: MongoDB, GraphQL, Firebase, Selenium, Charles Proxy, Git, JUnit

EXPERIENCE

Software Engineer Intern - Part Time   Jan 2023 – Sept 2023
Fibra Inc.   *Toronto, ON*
- Led the fullstack development of Fibra's mobile app, integrating Figma design with **React Native** and backend solutions with **Firebase**, resulting in a successful beta launch and a 20% increase in initial user engagement.
- Implemented a community engagement platform within the app, incorporating real-time chat and social posting features.

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%**

PROJECTS

DataScope: Data Analysis ⬈ | *Java, JUnit, Java Swing*
- Developed a **Java** application for data analysis, featuring a dynamic GUI with **Java Swing** and leveraging **Maven** for project management and **JUnit** for testing.
- Implemented **design patterns (Strategy, Observer, Mediator)** for modular architecture, enabling extensible data analysis and visualization.
- Enabled user-driven insights through interactive charts (bar, line, pie, scatter) enhancing data exploration and decision-making.

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.