

Mohamed Minhal Ali

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EDUCATION

BSc - Computer Science, Toronto Metropolitan University (formerly Ryerson) 2020 - 2024

Relevant Coursework: Data Structures, Operating Systems I, Database Systems I, Artificial Intelligence I, Software Project Management, Software tools for startups.

TECHNICAL SKILLS

Languages: HTML/CSS, Javascript, Python, MySQL, PostgreSQL, Bash.

Frameworks/Libraries: React, React-native, Typescript, Node/Express, MongoDB, Selenium.

Technologies: Linux, Unix, Firebase, Git, Jira, VS Code, Oracle SQL Developer, AWS Lambda, Slack, Postman.

WORK EXPERIENCE

Mobile Application Developer, HARKS Association (pt) May 2023 – Present

- Participated in building and optimizing APIs to support seamless integration between the mobile app and server.
- Developed and implemented key features for the HARKS mobile app using React Native and Supabase.
- Developing a notification system enabling user-customizable action reminders for the app.

Service Desk Analyst Intern, Ontario Medical Association May 2023 - August 2023

- Worked with the operations team on complex network projects to improve security and speed.
- Delivered technical support for the company's software products and services to staff and customers/members.

FullStack Developer, Fibra (pt) at TMU SDZ Incubator Feb 2023 – Jul 2023

- Worked with Figma to create visually appealing and user-friendly page designs for the mobile app.
- Successfully established end-to-end mobile app environment, including development, staging, and production environments, as well as implementing CI/CD pipeline.
- Developed key features for Fibra's first mobile application release using React-Native and Firebase.

Web Development Instructor, CodeKenya Aug 2021 – April 2022

- Coached students using project based learning, allowing them to create an E-commerce website, Weather app and other projects during the course using HTML, CSS and Javascript.
- Served the committee that worked with the education council of the Kenyan government to introduce coding as a high-school subject in Kenya.

PROJECTS

Enhancing Mobile App Security | React Native, Firebase

- Conducted in-depth security analysis, revealing a critical bug enabling unauthorized ticket creation and boarding.
- Ethically disclosed the flaw, maintaining user data protection and confidentiality per company policy.
- Demonstrated vulnerability bypass without compromising data, emphasizing mobile app security.

Medsuite (Hospital Management System) | HTML, CSS, Javascript (React, Typescript, Next), Firebase

- Collectively worked in a team to design mock-up pages for the website using Figma.
- Implemented key features and components for the application using React, including a reusable table component utilized across more than 6 different pages on the website.
- Project was structured using the Scrum framework, which allowed us to work efficiently in a team of 8 members and complete the project within 10 weeks. **(Sign in with admin@admin.com and password: adminadmin)**

Face Detection App | HTML/CSS, React, Node/Express, PostgreSQL

- Developed full stack face detection app using Clarifai's face detection API, and React for the frontend.
- Implemented server side using Node and Express.
- Created database using PostgreSQL to store user's sign in credentials and number of faces detected.

YouTube Trending Videos Scraper | Selenium, Python, AWS lambda

- Developed a Selenium data scraper to fetch top 10 trending videos from the YouTube trending page.
- Utilized Python's pandas library to store data into a CSV file and hosted the scraper model using AWS Lambda's serverless technology to automate emailing scraped data to the user every 24 hours.