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, Web Development.

TECHNICAL SKILLS

Languages: HTML/CSS, Javscript, Python, MySQL, PostgreSQL, Bash.
Frameworks/Libraries: React, React-native, Typescript, Node/Express, MongoDB, Selenium.
Technologies: Linux, Firebase, Git, Jira, VS Code, Netlify, Figma, Wordpress, Slack, Zendesk, Postman.

WORK EXPERIENCE

Software Developer, Hussain's Ark　　　　May 2023 – Present
- Established standardized design systems and component libraries in Figma for consistent design elements.
- Enhanced the accuracy of the reminder algorithm from 70% to 100%, ensuring timely notifications for users.
- Participated in building and optimizing APIs to support seamless integration between the mobile app and server.

FullStack Developer, Fibra at TMU SDZ Incubator　　　　Feb 2023 – Jul 2023
- Established full mobile app environment, spanning development, staging, production, and CI/CD pipeline.
- Developed interactive games using React Native and Firebase to promote mental well-being.
- Implemented personalized game suggestions based on user emotions, resulting in a threefold increase in app usage from 10 minutes to 30 minutes per day on average.

Technical Support Intern, Toronto Metropolitan University　　　　Jan 2022 - Apr 2023
- Managed incidents in a timely manner on the Zendesk ticketing system.
- Assisted Professors, faculty and staff in offices or remotely with all technical issues.

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 for Reputable Transit Company | React Native, Firebase
- Conducted in-depth security analysis, revealing a critical bug enabling unauthorized ticket creation and boarding.
- Successfully bypassed vulnerabilities by cloning the app using React-Native and Firebase.
- Adhered to NDA, ensuring confidentiality of proprietary information and user data protection.

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.
- Project was structured using the Scrum framework, which allowed us to work collaboratively 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.