

Safa Yousif

Safaa.dev

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TECHNICAL SKILLS

Languages: Java, Python, JavaScript, HTML/CSS, SQL (Postgres)

Frameworks: ReactJS, Node, FastAPI, Selenium, Bootstrap, Android Studio

Developer Tools: Ubuntu Server, Git, Docker, Nginx, Google Cloud Platform

EDUCATION

BSc (Hons) Software Engineering

University of Nottingham, Honours Second Class Upper

Aug. 2021 – July 2024

Semenyih, MY

Diploma in Computer Programming and Electrical Engineering

Manipal International University, GPA 3.4

Aug. 2018 – May 2021

Nilai, MY

EXPERIENCE

Full-Stack Developer Intern

WildTechAlert, Management and Ecology of Malaysian Elephants(MEME)

June 2023 – Aug. 2023

Semenyih, MY

- Led the development of backend architecture using Node.js technologies, ensuring robust and scalable performance. Created FastAPI for communication with handheld device.
- Designed and implemented a comprehensive PostgreSQL database schema tailored to project requirements, facilitating efficient data management and retrieval.
- Leveraged Figma to design a user-friendly website featuring real-time detection alerts and interactive functionalities, enhancing user interaction and overall satisfaction. Played a role in frontend implementation.

React Website Developer Intern

RNS Group

June 2022 – Oct. 2022

Cyberjaya, MY

- Introduced features for the product website, leveraging React, Node.js, and MongoDB, enhancing functionality.
- Executed optimizations to reduce page load times, resulting in a smoother user experience and improved website performance.
- Demonstrated leadership skills by supervising an intern and conducting demonstrations for on services like Twilio and Weavy, contributing to skill development and project efficiency.

Mobile Developer Intern

Trivex

Feb. 2021 – Aug. 2021

Cyberjaya, MY

- Engineered a tablet application utilizing Android Studio, Firebase, and Java, demonstrating adaptability across diverse development environments.
- Solely developed a versatile Flutter mobile application compatible with both Android and iOS platforms, showcasing proficiency in cross-platform development.
- Utilized Adobe InDesign and Figma to design intuitive and visually appealing mobile applications, contributing to the overall user experience.

FREELANCE

Full-Stack Developer

Care2Run Neurodiversity Non-Profit

July 2024 – Current

Petaling Jaya, MY

- Developed a merchandise store using WordPress to raise funds for events to empower the neurodiverse community.
- Created pipelines for retaining users through customised mailing lists based on user interaction on the website.
- Setups extensive Google Analytics events to monitor and identify user activity, generating an SEO plan that boosted user retention and page rankings.

ACHIEVEMENTS

sCPD High Achiever Award University Nottingham 2023 *Top 20 Achievers*

Nov. 2023

Computer Science Society *Vice President*

Aug. 2022 – Aug. 2023

Best Industry Project

April 2023

Odyssey Hackfest *Top 5 Finalist*


Oct. 2022

Nott-A-Code Hackathon *Top 10 Finalist*

Feb. 2022

PROJECTS

MOBILE DEVELOPMENT

Sign Language Translation App | *Android Studio, Python, TensorFlow, Firebase* [Link](#)  May. 2023 – Apr. 2024

- Spearheaded the training and integration of a TensorFlow Lite model into a self-designed mobile application for recognition of sign language gestures in order to increase communication between deaf and speaking.
- Received positive feedback from users during acceptance testing for the application's intuitive interface and accurate gesture recognition, contributing to increased user satisfaction. 83% overall accuracy rating.

CAMP Music Player | *Android Studio* [Link](#)  Oct. 2023 – Jan. 2024

- Implemented key features allowing seamless music playback, playlist creation, and content browsing.
- Conducted in-depth research to understand and developed a robust playlist system.

FULL STACK DEVELOPMENT

Project Website | *React, Node.js, Google Analytics* [Link](#)  Feb. 2024 – Apr. 2024

- Conceptualized and constructed a website to server as a hub to showcase my portfolio of projects.
- Implemented Google Analytics to track user interactions, providing valuable insights into visitor traffic.

Domain Tester Website | *React, Node.js, External Rest API* [Link](#)  Aug. 2023 – Sep. 2023

- Designed an interactive platform where users can check the availability of several domains.
- Implemented a robust rest API to identify domain availability.

DATA VISUALISATION

Exploring Hospital Transparency in the USA | *R, Shiny* [Link](#)  Sep. 2022 – Apr. 2023

- Developed an interactive platform to present transparent hospital data, empowering users to explore and analyze critical metrics with ease.
- Leveraging tools and techniques to address complexities inherent in healthcare data when performing cleaning and preprocessing.

PUBLICATIONS

WildTechAlert: Deep Learning Models for Real-Time Detection of Elephant Presence Using Bioacoustics in an Early Warning System to Support Human-Elephant Coexistence

Contributing Author, Springer

May 2024

Design and Development of an IOT based Plant Growth Monitoring and Management System for indoor farming

Author, Malaysian Journal of Science and Advanced Technology

July 2021

CERTIFICATES AND LICENSES

Docker Essentials: A Developer Introduction *IBM*

Feb. 2024

Pandas *Kaggle*

Dec. 2023

Advanced Google Analytics Certificate *Google*

Jul. 2020

REFERENCES

Choi Nang Ng *Global Head of Data Engineering & Site Lead of ISI Emerging Markets Group*

Contact: <https://www.linkedin.com/in/choi-nang-ng-ab3b1139>

Dr. Doreen Sim *Machine Learning Researcher & Assistant Professor of Nottingham University Malaysia*

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