Sultan Insan Geosrinov Muhammad Rifqi

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EDUCATION

University College London *London, UK*
BSc Computer Science (expected first-class) *Sep 2021 - Jun 2024*
- **Key Modules:** Algorithms, OOP, Software Engineering, System Engineering, and Crime & Security Engineering as IEP Minor

University of Warwick *Coventry, UK*
International Foundation Programme - Computer Science Pathway *Sep 2020 - Jul 2021*
- **Key Modules:** Pure Mathematics (**A***), Statistics & Further Mathematics (**A***), Computer Science (**A***)

WORK EXPERIENCES

Valley *London, UK*
Flutter Developer *Dec 2022 - Present*
- Developed a platform for a mobile app using **Flutter** and **Firebase** that allows users to find their entrepreneurial counterparts.
- Built a screen allowing users to upload croppable and editable images as profile pictures to **Firebase Storage** and **Firestore Database**.

Auto-chatbot Q&A generator for NHS trust websites - NHSBot *London, UK*
System Engineering Team Leader *Nov 2022 - Mar 2023*
- Led a team of 3 to build a chatbot generation service that can create a chatbot for any NHS trust website using **React** as the front-end, **Django** as the back-end, and **MongoDB** as the database.
- Built an information retrieving tool to get the best answer for the chatbot using **Azure Functions**, **Bing API**, **Azure Language Service**, and **IBM NLU**.
- Developed a web scraping tool to retrieve all data from a specific NHS trust website using **Scrapy** and use it for improving the chatbot's answer.
- Reduce the cost of deploying the chatbot by 40% per month by deploying it to **IBM Watson Assistant**.

PROJECTS

'Code for Good' Hackathon - JP Morgan Chase *Oct 2022 - Oct 2022*
GitHub Link: *https://github.com/blue4sky/DeafblindUK-Web-Platform*
- Helped a non-profit organisation, Deafblind UK, create a platform for deaf and blind people to connect, collaborate, and learn.
- Collaboratively developed a full-stack web application using **HTML**, **CSS**, and **JavaScript** as the front-end; **Flask** and **Python** as the back-end; **Amazon EC2** as the server; **MySQL** as the database.
- Features include integrated Google SSO authentication, image magnification on mouse hover, text-to-speech and high contrast mode for accessibility.

'Hack-at-ICE' Hackathon - Serv *Oct 2022 - Oct 2022*
GitHub Link: *https://github.com/blue4sky/serv*
- Collaboratively developed a full-stack website application to bridge the connection between service providers and vendors to MSMEs in Indonesia using **Next.js** and **Tailwind CSS**.
- Designed a user-friendly website by creating the wireframe with **Figma** to make the development smoother.

'Edspert' Bootcamp - Educational Quiz App *May 2022 - Aug 2022*
GitHub Link: *https://github.com/blue4sky/EducationApp*
- Independently built an educational app using **MVC Architecture** to support Indonesian high school students preparing for university entrance exams.
- Features include a built-in forum with sending text and photo functionality using **Cloud Firestore**, full-stack development with **Flutter**, push notifications for giving the latest information to students using **Firebase Cloud Messaging**, and integrated SSO Authentication.
- Completed MVP within 8 weeks and tested by fellow Bootcamp students with future plans of public deployment.

SKILLS

- **Spoken Languages:** English and Indonesian.
- **Technology Stacks:** Python, Dart (Flutter), Java, Kotlin, React, Django, Basic Knowledge of C and JavaScript, Firebase, Postman API, and Figma.