MUHAMMAD AIMAN SYAKIR BIN MOHD ZULKIFLI

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SUMMARY

A fresh graduate from Management & Science University (MSU) who is eager to learn and passionate about software development, especially front-end technologies. I am a team player that is reliable in completing the tasks assigned. I have just finished my internship at MIMOS Berhad, looking for an opportunity to start my career for the purpose of gaining meaningful experience and useful knowledge.

EDUCATION

Bachelor in Information & Communication Technology (Hons)   **(Feb 2021 – Jan 2024)**
Management & Science University (MSU)

- CGPA: 3.26
- Final Year Project (FYP): E-Portfolio Content Management System Version 2.0

Foundation in Information Technology   **(Jul 2019 – Jan 2021)**
Management & Science University (MSU)

- CGPA: 2.51

WORK EXPERIENCE

MIMOS Berhad   **(Aug 2023 – Jan 2024)**
Internship Trainee under Artificial Intelligence Department

- Created and designed a variety of charts and plotted the charts into the widget library available inside ThingsBoard. Additionally, I applied the charts into the ThingsBoard dashboard using Echarts and D3.js.
- Performed comprehensive data collection and subsequent feature extraction. Assigned to collect electrical signals utilizing Sbench6 acquisition software, the focus was on capturing high sampling rates of instantaneous current and voltage magnitudes in preparation for lab experiments.
- Testing on HDF5 Converter for NILMTK: Conducted experiments to test the generated data in HDF5 format with NILMTK's Experiment API.
- Involved in collecting seq2point experiment results. Responsibilities included handling one of the server ports used for model training experiments, as well as ensuring efficient data processing processes to enable AI algorithm development and optimization.
- Developed a simple interactive visualization for Non-Intrusive Load Monitoring (NILM) using Python's Flask framework, HTML, and Plotly to create interactive charts.
- Conducted research and evaluation of transcription software with AI meeting assistant functionalities which need to analysed features, language support, and affordability.
- Conducted preliminary surveys on Text to Speech (TTS), Automatic Speech Recognition (ASR), and AI Meeting Assistant technologies.

SKILLS

Languages	: English (Professional Working Proficiency), Malay (Native or Bilingual Proficiency)
Programming Languages	: HTML/CSS, Java, JavaScript, Basic in C++, Basic in Python
Libraries/Framework	: Basic in React, Angular, Bootstrap, NumPy, Pandas, Plotly, Flask, Echarts, D3.js
Tools/Platforms/Environment	: Jupyter Notebook, Visual Studio Code, Figma, Node.js

CERTIFICATION

Malaysian University English Test (MUET)   **(Achieved on May 2022)**

- Band Achieved: 3.5

SEMINAR / WORKSHOP / COURSE ATTENDED

- AWS Hands-on Workshop - Amazon Cognito, API Gateway Security and IoT
- AWS 101 Workshop
- Knowledge Sharing Session on Non-Intrusive Load Monitoring
- Advancements in Renewable Energy Integration and Power Electronics for a Sustainable Future
- AWSome Day Online Conference
- Research Colloquium Series

PROJECT

E-Portfolio Content Management System Version 2.0 (GitHub)

- Developed an E-Portfolio Content Management System Version 2.0, a web-based platform hosted on the internet. Utilized a content management system (CMS) to enable users to effortlessly create, manage, and modify content for their digital portfolios without requiring technical expertise. Leveraged MySQL, an Oracle-backed open-source relational database management system, to securely store and manage diverse forms of information, ensuring accessibility from anywhere. The system serves as a modern alternative to the manual paper-based portfolio assessment method, streamlining the process and enhancing efficiency in educational or professional settings.

E-commerce Website

- Designed and developed a comprehensive eCommerce website using HTML, CSS, and JavaScript. The website comprises five distinct pages: Home, Product List, Product Details, Cart, and Account, providing a seamless user experience for browsing products, viewing details, managing the shopping cart, and accessing account information.

REFERENCE

1. **Nor Aziah Amirah**
   (External Supervisor MIMOS Berhad)
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2. **Nadia Adila Binti Mohd Zulkifli**
   (Software Engineer)
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