Nurul Hamizah binti Che Azemin
Phone no: +6014-8126241
Email: hamizah.ca@gmail.com
LinkedIn: www.linkedin.com/in/hamizah-azemin
Personal website: https://mizzx.github.io/portfolio-hamizah/

Profile Summary

Bioinformatics fresh graduate from Universiti Malaya with passion in coding and recently completed industrial training as IT intern at Original Intelligence Sdn. Bhd., who aspire to seek available position related to software development, data analysis, or bioinformatics field.

Education

Universiti Malaya
Bachelor of Science in Bioinformatics — 2020 - 2024
CGPA: 3.67

Pahang Matriculation College
Science Module III: Biology & Computer Science — 2018 - 2020
CGPA: 3.54

Involvement & Co-curricular

University

- Softball UM — Mar 2023
- 5km Fun Run UM 2022 — Jun 2022
- Participant of 'Youth STEM Leadership Forum' — Feb 2021

Matriculation

- Facilitator of Computer Science subject — Mar 2020
- Volunteer of KMPH Slow Pitch Tournament — Feb 2020
- Committee of 'Biro Perhubungan Luar' — Mar 2019

Awards & Scholarship

- Dean's List Award Semester 2 2021/2022 — Aug 2022
- Dean's List Award Semester 1 2021/2022 — Mar 2022
- Sponsorship by Program Ijazah Dalam Negara, JPA — Sep 2021

Experience

Original Intelligence Sdn. Bhd.
Information Technology Intern — Oct 2023 – Jan 2024

- Assisted developers in setting up software and tools for real-time projects.
- Developed web pages using VB.NET to be added into existing application.
- Involved in quality assurance team for testing the functionality of Human Resource Management System based on listed requirements.
- Troubleshooting errors in MSSQL database server.
- Modified code in Visual Studio and SQL stored procedure script to align with feature scope specification.

Projects

HTML, CSS & JavaScript

- Built interactive and responsive webpages.

VB.NET & MSSQL

- Experienced in developing, troubleshooting and improving Human Resource Management System web application on Visual Studio and MSSQL stored procedure.

Python

- Covid-19 detection from chest X-ray images using deep learning and machine learning approaches, by utilizing many Python libraries, including Pandas, NumPy, Keras and Scikit-learn.
- Data manipulation – Implementation of regular expression for extraction of nucleotide and protein sequences to convert into variety of sequence file formats.

R

- Prediction on number of Covid-19 cases and deaths in Malaysia using ARIMA forecasting method.
- Gene expression analysis on two types of drugs for breast cancer, with implementation heatmap clustering to identify upregulated and downregulated genes.

MATLAB

- Classification on 13k samples with seven types of dry beans using SVM machine learning method.

Linux

- Compare protein sequences of non-pathogenic strain and pathogenic strain using BLAST in Ubuntu.

Skills

- **Programming Language** : VB, Python, R, MATLAB, JavaScript, Java
- **Web Development** : HTML, CSS, JavaScript, VB.NET
- **Data Analysis** : Python, Jupyter Notebook, R, MATLAB, SQL
- **Tools** : VS Code, Microsoft SQL Server, Visual Studio (.NET), Ubuntu

Languages

- **Malay** : Native speaker
- **English** : Intermediate proficiency
- **Mandarin** : Basic

References

1. Dr. Chang Siow Wee
FYP Supervisor
Institute of Biological Sciences
Faculty of Science
Universiti Malaya
+603-7967 7296
siowwee@um.edu.my

2. Dr. Farahaniza binti Supandi
Senior Lecturer
Institute of Biological Sciences
Faculty of Science
Universiti Malaya
+603-79676733
farahaniza@um.edu.my