

# MUHAMMAD HAIKAL FITRI BIN HASSIM @ HUSAIN



## WORK EXPERIENCE

**PETRONAS GEES, PETRONAS Carigali Sdn Bhd**  
07/2023 - 07/2024

- Contributing to business improvement through data integration for Marine Intelligence System (MARSIS). Played a key role in User Acceptance Testing (UAT) to ensure the system met user requirements and functioned correctly.
- Efficiently streamlined the development of logistic Digital Tools leveraging Excel and Power Bi for data analysis, ensuring reduction in manhours.
- Resolved compliance issues across regions by implementing a streamlined tracking system for the HSE Assurance Program utilizing Power Automate for workflow automation, and Power BI.
- Coordinated analysis of Culture Maturity Survey for contractor Mentorship Program, advancing enhanced program effectiveness.
- Conduct analysis for fuel benchmarking project contributing to Lean Six Sigma (LSS) initiative, while supervising others to complete their respective project reports.
- Executed the development of campaign materials, tailored to engage over 40 PETRONAS-associated contractors within Upstream Logistics

**Web Developer Internship, UiTM Technoventure**  
09/2022 - 01/2023

- Conducted stakeholder interviews to elicit user requirements and understand the needs of different departments and developed flowcharts to plan the system's functionalities.
- Managed MySQL database operation with efficiency.
- Enhanced user experience through the development of user interface design.
- Engineered and implemented dynamic website pages and interactive forms utilizing HTML, CSS, and PHP.
- Spearheaded the development of the system through collaboration with team members.

## EDUCATION

08/2019 – 01/2023  
Bachelor of Information Systems (Hons.) Intelligent System Engineering, Universiti Teknologi Mara (UiTM)  
**CGPA: 3.59**

04/2018 - 05/2019  
Malaysian Matriculation Programme, Kolej Matrikulasi Kelantan  
**CGPA: 3.13**

## CONTACT ME AT

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- 📍 Subang Jaya, Selangor

## TECHNICAL SKILLS

- Data Analytics Tools: Power BI, Minitab, scikit-learn, Pandas
- Database Management System: MySQL
- Version Control: Github (<https://github.com/haikalfitri>)
- Programming Language: HTML, CSS, PHP, SQL, Python, Java
- Automation: Power Automate
- Microsoft Office: Excel, PowerPoint, Word
- UI/UX Prototyping: Figma
- Familiarity with Machine Learning: TensorFlow and Keras

## SOFT SKILLS

- Problem Solving
- Adaptability
- Collaboration
- Integrity
- Resilience
- Continuous Learning
- Attention to detail

# PROJECTS

## Lean Six Sigma Projects

### Fuel Recoupment Project

- Supported continuous improvement initiatives and managed reporting for the project, which achieved a 70% improvement in lead time for business process flow and potential saving of 4,000 manhours

### Vessel Tracking System (VTS)

- Managed reporting for the project, supporting effort to improve lead time by 25% and potentially save 71,280 manhours

### Fuel Benchamarking

- Contribute to the analysis and reporting for the project, leveraging expertise in data analysis to provide insight for process improvement and cost efficiencies

## Twitter Sentiment Analysis of Open Distance Learning (ODL)

- Conducted sentiment analysis on ODL tweets using natural language processing techniques.
- Employed tools such as Jupyter Notebook, RapidMiner Studio, Microsoft Power Bi, and TWINT for analysis.
- Performed preprocessing using Pandas and Implemented machine learning algorithms to classify tweets as positive, negative, or neutral.


## Handwritten Letters Recognition System

Collaborated on a handwritten letters recognition system based on the Emnist dataset using Python, Tensorflow, OpenCV-Python, and Tensorboard.

# ACHIEVEMENT & CERTIFICATES

- 2024  
**PETRONAS Lean Six Sigma Yellow Belt**  
Certificate of Completion
- 2024  
**PETRONAS Citizen Analytics**  
Certificate of Completion
- 2023  
**Coursera: Foundations: Data, Data, Everywhere**  
Certificate of Completion
- 2019 - 2023  
**Achieved First Class Degree**  
Achieving a first class degree in Bachelor of Information Systems

# REFERENCES



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