# Muhammad Haris Fahmi Bin Faizal Hisham

+60125682001 • muhd.haris.fahmi@gmail.com • www.linkedin.com/in/harisfahmi

## DATA PRACTITIONER

**Data Analytics | Data Engineering | Data Science**

Enthusiastic programming professional committed to personal and professional growth. Skilled in delivering innovative solutions and adapting quickly to new challenges. Strong technical background with excellence in IT courses. Eager to deepen expertise in data analytics, data engineering, data science, and artificial intelligence to unlock their potential for insights and innovation.

## WORK EXPERIENCE

**Ernst & Young –** *Kuala Lumpur, Malaysia* 09/2022 - PRESENT

**Technology Consultant**

**Business Analyst:**

- Prepare test scripts and conduct SIT and UIT testing amongst users for a Gen-AI based web application.
- Prepare Functional Specification Design document, user guide and admin guide.
- Assist in UI wireframing of mentioned platform using Figma.
- Facilitate workshop session for requirements gathering session with clients.

**Data Engineer:**

- Design, implement, and uphold database objects to facilitate data storage through proficient utilization of SQL queries.
- Integrated data models into ETL (Extract, Transform, Load) processes to ensure alignment between extracted data from source systems and target data models, facilitating efficient storage and analysis transformations.
- Collaborate closely with data analyst team to formulate a tailored data storage strategy that aligns with their data ingestion needs.
- Designed and implemented a Power Automate workflow that automatically triggers email notifications in the event of delayed client data uploads to the SharePoint list database.

**PETRONAS** - *Kuala Lumpur, Malaysia* 11/2022 - 12/2023

**Junior Data Analyst**

- Developed PowerBI dashboards consisting of data that was initially converted from unstructured data (PDFs/Images) by leveraging on Microsoft's cognitive services, Azure Form Recognizer and creation of machine learning models for unstructured data enablement process for Upstream and PD&T projects under Nebula team.
- Led pre-discovery initiatives for structured data enablement projects from Upstream and PD&T sector by conducting business requirements gathering, feasibility study, user pain points and proceed to report findings for risk assessment, potential impacts and project initiation.
- Served as the intermediary to facilitate progress and procedures of both structured and unstructured data enablement projects and maintaining close communication with project stakeholders (business users, ETL team, modeler team, data governance team).
- Conducted data analysis and classification, created data dictionary and defined data quality rules to conform with enterprise standard for seamless data migration process.

**Schlumberger** – *Petaling Jaya, Malaysia* 09/2020 - 04/2021

**Data & Analytics Intern**

- Assigned support tickets to D&A Operations Team and developed solutions to enhance the team's work efficiency and productivity.
- Developed a PowerAutomate solution which automatically extracts data on a daily basis from internal data warehouse by performing SQL execution and perform data transformation and load data into SharePoint list and displayed in Operations Team Toolkit PowerApps application.
- Perform frequent updates and add new features to Schlumberger's D&A Operations' Team internal toolkit PowerApps application. Built a data-entry form for developers to fill details of SLB's project migrations to be populated into SLB D&A SharePoint list database.
- Designed and developed the Data & Analytics Operations Team Dashboard in Power BI, incorporating data retrieval, transformations, and visualizations. Collaborated with the D&A Operations Team to gather feedback and implement suggestions using an agile approach.
- Developed an Alteryx workflow for automated access management to confidential business intelligence dashboards, creating tickets for approvers upon access requests. Executed complex ETL processes and verifications before granting access. Conducted extensive UAT and monitored approval requests with stakeholders before production deployment.
- Developed an Alteryx solution for automatic daily SQL execution from the internal data warehouse to verify data. Alerts are sent to the D&A Operations team via email for failed runs, and tickets are automatically created in BMC Remedy.

## CERTIFICATIONS

- Microsoft Certified: Azure Fundamentals
- Microsoft Certified: Azure Data Fundamentals
- Microsoft Certified: Azure AI Fundamentals
- Microsoft Certified: Azure Power Platform Fundamentals
- Academy Accreditation - Databricks Lakehouse Fundamentals
- Databricks Certified Data Engineering Associate

## EDUCATION

**Universiti Teknologi PETRONAS –** *Seri Iskandar, Perak*

Bachelor of Information Technology with Honors

Major: Data Analytics

Minor: Financial Management

CGPA: 3.80

## SKILLS

- Python, C#, C++, SQL, Java, Visual Basic
- Spark
- PowerBI, PowerApps, PowerAutomate
- Erwin Data Modeling
- Data Science, Machine Learning
- Azure AI Document Intelligence
- Alteryx
- Azure Platform
- Databricks
- Copilot Studio
- SQL Server Management Studio
- MySQL

## VOLUNTEERING

- TVEX 3.0 Webinar Event Speaker: "*Voice of Intern: How I Scored A In SIIP*"
- Event Coordinator – Google Developer Student Clubs
- Social Responsibility Committee- Energy Institute Club
- Creative Media Committee – Energy Institute Club
- Head of Department for Entrepreneurship & Sponsorship
- Head of Department for Publication & Promotion - Peer Helper Club

## AWARDS AND HONORS

- Foundation Dean's List (2018)
- Champion in Oh My Code Programming Competition (2018)
- 2nd Runner Up in Halliburton Geoscience Data Science Hackathon (2021)
- TTP Gold Award & Best Presenter Award for SEDEX47 (2021)
- Dean's List Award for Undergraduate Studies (2019-2022)
- FYP Gold Award & Best Presenter Award for SEDEX48 (2022)
- UTP FYP Gold Award (2022)
- UTP Best Academic Award (2022)

## PROJECTS AND COMPETITIONS

**Oh My Code Programming Competition Project (2018) - High Altitude Wind Turbine Software**

- Created a software application using visual basic which showcases an estimation of the power produced based on the altitude of the wind-powered drone. The application provides ease of navigation from different webpages, a login page that caters to different types of users and implemented an animation to showcase the transition of the drone from different altitudes. This project earned 1st place champion in the Oh My Code programming competition during foundation. Developed using Visual Basic programming language.

**Halliburton Data Science Hackathon Project (2021)**

- Python programming. Collaborated with final year students from geoscience background to produce a supervised machine learning model that predicts lithologies based on the features provided and applied data visualizations for comparison. Applied data cleaning,

feature engineering, and modelling with various classification algorithms (XGBoost, Random Forest, Decision Trees). This project managed to win 3rd place in the Hallliburton Data Science Hackathon.

**Machine Learning Projects**

Developed machine learning models and applied a wide range of techniques used in different processes in the CRISP-DM framework. Conducted exploratory data analysis with the aid of data visualizations. Tested models with various predictive algorithms in order to identify the best algorithm that offers highest accuracy. Used Jupyter notebook, Spyder and programmed in Python.

- House Price Predictions
- Graduate Employability Predictions
- Email Phishing Predictions

**Final Year Project (2021-2022) - Workspace Ergonomics and Posture Effectiveness Detection using Computer Vision with Machine Learning Approach**

- Develop a desktop software application which utilizes computer vision technologies together with machine learning to detect individual's posture in a side-view angle, workspace items and distance between individual and their laptop screen. The software integrates few libraries namely OpenCV and mediapipe and was developed through the PyQT5 toolkit. Features object detection by applying machine learning from pre-trained object classification model. Programmed in Python.