

Nur Farahana binti Mohd Suhaimi

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Professional Summary

Aspiring Data Scientist with expertise in data engineering, deep learning, and advanced analytics, transitioning seamlessly from academia to industry. Proficient in Python, Scikit-Learn, Power BI, Tableau, and MySQL. Skilled at delivering impactful, data-driven insights. Expanding expertise with PyTorch and AI Engineering.

Selected Accomplishments

- Led the design and management of a scalable data pipeline daily, reducing processing time by 30% and enabling real-time analytics for 3 business-critical KPIs.
- Conducted UAT sessions with 15+ stakeholders, incorporating feedback to enhance dashboard usability, increasing user satisfaction by 70%.
- Developed 10+ data visualizations, enabling teams to identify key trends and reduce decision-making time by 40%, leveraging Tibco WebFOCUS for KPI tracking.
- Designed 10+ customized dashboards for 3 departments to improve data accessibility for 200+ users.
- Collaborated with a remote team to develop a dual-language e-commerce platform, improving page load speed by 15% and driving a significant increase in user engagement.

Professional Experience

Data Engineer cum Data Analyst — IGS Protech Sdn. Bhd. — Jan 2023 – Present

- Led the design and management of an efficient, scalable data pipeline for live data feeds, enabling real-time analytics and reporting.
- Conducted UAT sessions, gathering feedback and improving dashboard usability, boosting user satisfaction by 70%.
- Developed and implemented data visualizations using Tibco WebFOCUS, improving team KPIs and insights.
- Prepared comprehensive project documentation, ensuring seamless handovers and continuity.

Freelancer — Jan 2022 – Dec 2022

- Collaborated on a dual-language e-commerce website using Laravel and Bootstrap, improving website performance by 20%.
- Managed cross-browser compatibility and optimized front-end code, enhancing user experience.
- Maintained clear and up-to-date project documentation for knowledge sharing and collaboration.

Career Break — Jan 2020 - Jan 2022

- Successfully defended PhD thesis on October 2020 during pandemics.
- Learnt trading online and still doing it occasionally.
- Tried freelancing by attending the GLOW (Global Online Workforce) by MDEC.

Research Assistant — IIUM — Jan 2014 – Jan 2020

- Conducted research on deep learning algorithms for high-dimensionaal medical imaging (i.e.: fMRI), improving diagnostic model accuracy by 15%.
- Curated and processed 2TB of medical image datasets for training and validation of machine learning models.
- Contributed to 3 academic papers and presented findings at conferences.

Education

- Doctor of Philosophy (Engineering), International Islamic University Malaysia (IIUM), 2021
- Master in Computer Vision, Université de Bourgogne (uB), France, 2013
- Master of Engineering, Universiti Teknologi Malaysia (UTM), 2012
- Bachelor of Engineering, International Islamic University Malaysia (IIUM), 2011

Skills

- Data Analysis: Power BI*, Python, PyTorch*, Tableau, Tibco WebFOCUS
- Databases: MySQL, PostgreSQL, Tiberio, SQL, NoSQL
- Web Development: Laravel*, Bootstrap, Tailwind CSS, HTML, CSS, JavaScript
- Data Engineering: ETL, Data Pipelines, Real-time Analytics
- Cloud Technologies: AWS*, Azure*

*Currently expanding knowledge through self-study, hands-on projects, and professional development.

Projects

- Built offline Invoice app with database for a friend using Flask and SQLite — [Github](#).
- Building Task Manager app using Laravel and Tailwind CSS — [Github](#).
- Built and maintained portfolio website using HTML, CSS, and JavaScript.

Awards and Certifications

- Pursuing 'AI Engineer for Data Scientists' in DataCamp certification for 2025.
- Certification from Coursera for Machine Learning in Production on November 2024
- Certification from DataCamp for Associate Data Engineer in SQL on July 2024
- Best Paper Award at 7th IEEE International Conference on Mechatronics Engineering (ICOM'19)
- Published 3 academic papers on deep learning and medical imaging

References

Available upon request.