Siti Sarah Amirah Hannes

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SKILLS

- High-Level: Machine Learning, Data Analysis, Data Visualization
- Languages: Python, SQL
- Frameworks: Pandas, Matplotlib, PyTorch, Tensorflow, Scikit-Learn, LightGBM, Ggplot2
- Tools: Github, GCP, ClickUp, Docker
- Certification: JLPT N2

EDUCATION

Master of Science (Data Science), March 2022
UNIVERSITY OF TECHNOLOGY MALAYSIA
CGPA: 4.00

Bachelor of Applied Biology, Hons (Biotechnology), July 2016
UNIVERSITY OF SCIENCE MALAYSIA

WORK EXPERIENCE

Data Scientist, Bottomless   *Aug 2022 - Present*
- Enhanced existing model performance, resulting in a 19% increase in daily work efficiency.
- Developed a new rule-based automation process, reducing manual process duration by nearly 50%.
- Utilized Docker for testing and validating pre-production release scripts.
- Diagnosed and resolved critical production bugs, significantly improving workflow.
- Validated and analyzed new production-ready models, providing recommendations to internal stakeholders.

Data Scientist Intern, DHL Express Malaysia Sdn Bhd   *May 2021 – Oct 2021*
- Developed Python script to automate data extraction via internal API, improving data ingestion workflow.
- Extracted and analyzed insights from large structured and unstructured datasets.

Quality Auditor, Accenture Technology Solution Sdn Bhd   *Jul 2019 – Oct 2020*
- Built and maintained KPI and metrics dashboard using Power BI.
- Produced actionable insights and mitigation strategies through data analysis.
- Provided one-on-one coaching and technical support as a subject matter expert.
- Led weekly team meetings.

PROJECTS

Tweet Sentiment Analysis (GCP, MLFlow, Scikit-Learn, Streamlit, Altair, Github Action)
- Developed and served end-to-end CI/CD pipeline supported by GCP, Github Action and MLFlow.

- Trained sentiment analysis model with final accuracy of 92%.
- Scheduled data integration using Twitter API into ETL pipeline for continuous deployment.

Image Segmentation (Tensorflow)
- Fine tuned pre-trained model for image segmentation task.
- Final accuracy 99.37%.