

ARIF SUFFIAN BIN AZLAN

INTELLIGENT SYSTEMS ENGINEERING (BIG DATA) GRADUATE

arifsuffian.azlan@gmail.com | +6017 - 749 6650 | [LinkedIn](#) | [GitHub](#)
Johor Bahru, Malaysia | Available: Immediately

PROFESSIONAL SUMMARY

Computer Science graduate with internship experience and a strong foundation in Artificial Intelligence, Machine Learning, and Data Analytics. Experienced in developing predictive models, performing data analysis, and applying machine learning techniques to solve real-world problems. Proficient in Python, R, SQL, and data visualization tools, with strong analytical and problem-solving abilities. Seeking an entry-level AI Engineer, Data Analyst, or Machine Learning Engineer role to contribute technical expertise and continue professional growth.

EDUCATION

UNIVERSITI TEKNOLOGI MARA - UiTM Shah Alam

Bachelor of Information Systems (Hons.) Intelligent Systems Engineering March 2023 - Aug 2025

- *Achievements: Dean's List – 4th Semester, CGPA: 3.31*
- *Key Coursework: Machine Learning, Optimization Algorithms & Application, Data Mining, Business Data Analytics*

UNIVERSITI TEKNOLOGI MARA - UiTM Seremban 3

Diploma in Actuarial Science Oct 2021 - Feb 2023

- *Achievements: Dean's List – 3rd Semester, CGPA: 3.07*
- *Key Coursework: Data Visualization & Reporting, Time Series Forecasting, Statistics, Insurance Data Analytics, Investment Management*

TECHNICAL SKILLS

Programming Languages	: Python, R, SQL
AI / Machine Learning	: VGG16, ResNet50, Image Classification, Model Evaluation, Grad-CAM
Libraries & Frameworks	: Tensorflow, Keras, NumPy, Pandas, Matplotlib, Scikit-learn, FastAPI
Tools & Platforms	: Google Colab, Github, VS Code, RStudio, RapidMiner, Power BI
Techniques	: Exploratory Data Analysis (EDA), Optimization Algorithms, Data Visualization

EXPERIENCE

JOHOR PORT BERHAD

Intern - System Development / Digital Transformation Sept 2025 - Dec 2025

- Developed a digital application system (ZB1) for the Free Zone Department to replace manual paper-based forms using Joget (low-code platform)
- Designed and implemented a multi-tier workflow involving applicant submission, Free Zone officer validation, and two-level Customs approval (general approval and goods movement approval)
- Conducted requirements gathering with department stakeholders, translated existing manual processes into digital workflows, and prepared system modules, UI drafts, and workflow prototypes to ensure usability and process accuracy
- Supported R&D for Robotic Process Automation (RPA) initiatives for ICT and Finance departments, including vendor engagement with Avensys
- Prepared comprehensive RPA evaluation documentation, covering process analysis, automation candidates, feasibility studies, and technology comparison (UiPath vs Power Automate) to support Proof of Concept (POC) assessment

PROFESSIONAL DEVELOPMENT

42 MALAYSIA x K-Youth Development Programme

K-Youth Development Programme Trainee (AI & Python Development)

April 2026 - Dec 2026

- Completed an intensive 4-week industry training programme focused on Python development, AI integration, FastAPI applications, testing, and deployment.
- Developed modular backend components involving data processing, validation, AI workflows, and system integration.
- Collaborated in team-based projects using Git/GitHub to build, test, and present deployable software solutions.

PROJECTS

Pneumonia Detection Using Deep Learning | Python, TensorFlow, Keras, VGG16, ResNet50

Final Year Project

- Developed a multiclass chest X-ray classification model for pneumonia detection using transfer learning with VGG16 and ResNet50.
- Applied image preprocessing, data augmentation, and fine-tuning techniques to improve model performance.
- Evaluated model effectiveness using F1-score metrics and Grad-CAM visualisations to enhance interpretability of predictions.
- Achieved approximately 85% classification accuracy on chest X-ray images

Stock Market Sentiment Analyzer | FastAPI, Python, Gemini API, Git/GitHub

K-Youth Independent Project (Team Project)

- Developed a full-stack web application that generates AI-powered stock analyses from user-provided ticker symbols.
- Integrated the Gemini API to provide market insights, including overall sentiment (Bullish, Bearish, Neutral), confidence scores, risk ratings, market psychology analysis, and accounting perspectives.
- Retrieved and processed relevant news information to identify positive and negative factors influencing stock performance.
- Implemented structured AI output validation to improve the reliability and consistency of generated analyses before presenting results to users.
- Collaborated with a teammate using Git/GitHub throughout development, testing, debugging, and final showcase preparation.

Monthly Electricity Generation Forecasting Using SARIMA (Singapore) | R, RStudio

Academic Group Project

- Developed a time-series forecasting model using SARIMA in RStudio (R) to predict monthly electricity generation, capturing seasonal patterns and improving forecast accuracy.
- Performed data preprocessing, exploratory data analysis, and seasonality analysis in R to identify key temporal trends and support model development.
- Evaluated forecasting performance using statistical accuracy metrics and optimized model parameters, resulting in more reliable monthly generation predictions.

CERTIFICATIONS

- **Google Advanced Data Analytics Professional Certificate** - Coursera
- **Advanced SQL** - Kaggle (ongoing)
- **Intro to Deep Learning** - Kaggle
- **Python** - Kaggle

REFERENCE

Reference Available Upon Request