AINUR AFIFAH AMRI

Bangkok, Thailand
(+66)624202593
ainurafifah57@gmail.com | www.linkedin.com/in/ainurafifah/ | https://ainurafifah00.github.io/

SUMMARY

I am a skilled Python Developer with 4+ years of experience in system support and machine learning, currently based in Bangkok and open to remote opportunities across time zones. My background includes collaborating with remote teams in Vietnam and India, leading projects in data migration, lab machine ASTM interfacing, and mobile UI development. I specialize in managing large-scale data collection, implementing advanced computer vision solutions, and translating research into practical applications. With a Master's in Computer Science and multiple journal publications, I bring expertise in Python, SQL, machine learning, statistical analysis, and web technologies, ready to contribute to global, dynamic teams.

PROFESSIONAL EXPERIENCE

PYTHON DEVELOPER & SYSTEM SUPPORT
Petaling Jaya, MY
April 2021–April 2024

Clicque Technology
General Hospital Lab Information Management System

- Spearheaded the successful data migration for 7 laboratory sub-modules using Python, SQL, and REST API. Meticulously tracking progress in Excel and providing critical insights to guide client decisions, resulting in a seamless transition.
- Coordinated the seamless interfacing of 11 lab machines with the system for data transfer, augmentation, and mapping using Python and ASTM protocol, ensuring 90% accuracy and efficiency. Tracked code changes and fostered collaboration through GitHub & JIRA, enhancing project transparency.
- Led the gathering and consolidation of audit log feature requirements, promoting effective communication between development teams and clients across three distinct workflows, and identifying key commonalities to streamline processes. Increased user workflow accuracy by 60%.
- Proactively investigated and resolved bugs using Excel and JIRA for precise issue tracking, facilitating clear and effective communication between clients and the development team, leading to timely and efficient problem resolution up to 95%.

FRONTEND DEVELOPER
Kuala Lumpur, MY
Sept 2020–April 2021

Fristor Technologies
Baby Delivery Tracking System

- Engineered a high-performance mobile UI for a baby delivery tracking system using HTML, CSS, and JavaScript, significantly enhancing data tracking procedures and optimizing hospital workflow efficiency & reduce error by 70%.
- Spearheaded the documentation and consolidation of comprehensive project requirements, including detailed cost breakdown analysis, using Microsoft Word and Excel, ensuring project alignment and stakeholder satisfaction.
- Developed an advanced mobile UI for an IoT subproject with Kotlin, driving innovation and enhancing the user experience for cutting-edge technology applications.

MACHINE LEARNING ENGINEER   **Kuala Lumpur, MY**

Saratix   *Nov 2019–July 2020*

Human Posture Recognition

- Led a major initiative in data collection and annotation for real-life image data, successfully implementing Detectron2 to enhance computer vision accuracy for optimal T-shirt size recommendations, and forged a strategic partnership with a local university to develop a state-of-the-art recommendation system.
- Transformed complex research findings into practical, high-impact solutions using Python and Google Colab, ensuring flawless integration and significant improvements in application performance.
- Completed an intensive 2-month training program in Machine Learning and Deep Learning, gaining advanced skills that directly contributed to innovative and effective solutions in real-world projects.

EDUCATION

International Islamic University Malaysia   **Kuala Lumpur, MY**

Master of Computer Science   *May 2018*

Thesis: *Evolutionary Deep Belief Networks with Bootstrap Sampling*
for Imbalanced Class Data

International Islamic University Malaysia   **Kuala Lumpur, MY**

Bachelor of Computer Science   *May 2015*

FYP: *Predicting the Protein Localization Sites Using Back Propagation Algorithm*

KEY SKILLS

Python Development (Web Scraping, Pandas, Numpy, Scikit-learn, Streamlit, Django, TensorFlow, OpenCV)

SQL, MS Excel, Statistical Analysis

Data Analysis & Visualization (Matplotlib, Seaborn, Pyplot, Tableau)

Machine Learning (Artificial Neural Networks, Deep Learning, Computer Vision)

Web app development (HTML, CSS, JavaScript, WordPress)

Soft skills: Communication, Problem-solving, Remote collaboration, Cultural sensitivity

JOURNAL PUBLICATIONS

Evolutionary Deep Belief Networks with Bootstrap Sampling for Imbalanced Class Datasets,

International Journal of Advances in Intelligent Informatics

2019

Comparative Performance of Deep Learning and Machine Learning Algorithms on Imbalanced Class Handwritten Data,

International Journal of Advanced Computer Science And Application

2018

Convolutional Neural Networks and Deep Belief networks for Analysing Imbalanced Class Issue in Handwritten Dataset,

International Journal on Advanced Science, Engineering and Information Technology

2017