

Angga Ramda Ramadhan

0812-8713-0110 | anggaramdawork@gmail.com | www.linkedin.com/in/anggaramdaramadhan | Karawang, West Java

EXPERIENCE

Artificial Intelligence Intern
PT. Salam Pacific Indonesia Lines (QHSE) – Jakarta

August 2024 - Present

- Led 3 AI projects in Computer Vision using YOLO and OpenCV to support QHSE operations. including real time object detection.
- Improved model performance with data augmentation, achieving 87% precision, recall 79%, and f1-score 84%.
- Collaborated with 2 departments to research AI applications, that potentially saving cost and enhanced operational efficiency.

Laboratory Assistant for Data Mining Course
Buana Perjuangan University – Karawang, West Java

March 2024 – July 2024

- Assisted over 200 students in applying machine learning algorithm and debugging code.
- Evaluated weekly assignments, ensuring accuracy in data processing and model development using Python.

Research Assistant
Buana Perjuangan University – Karawang, West Java

June 2023 – December 2023

- Conducted comparative analysis of 5 machine learning algorithm to classify heart disease and stroke disease patients.
- Cleaned and preprocess over 100 columns and 600k rows of data and implemented oversampling technique (SMOTE - ADASYN) to solve imbalance data problem, achieving best performance 0.868 AUC score.
- Contributed as a 4th and 5th author on 2 research papers, indexed by Sinta 4 and Sinta 3.

EDUCATION

Bachelor of Computer Science
Buana Perjuangan University – Karawang, West Java

September 2020 – June 2024

- GPA: 3.51 / 4.00 (Cum Laude).
- Awardee of the Incentive for Scientific Paper during 2024 Student Creativity Week.
- Silver Medalist in Artificial Intelligence at National Scientific Paper Competition held by Brawijaya University (2023).
- 1st Place in KKN Scientific Paper Competition, Buana Perjuangan University (2023).
- Class Coordinator for nearly 3 years and Laboratory Assistant for 6 months, overseeing 200+ students in the Data Mining course.

PROJECTS

General Chatbot with Llama 3.1

October 2024

- Developed a web-based chatbot using LLM LLama 3.1 8B, optimized with Groq as an engine for fast local inference, handling up to 500.000 tokens per day.

Air Quality Analysis Dashboard

September 2024

- Analyzed air quality data (2013-2017) and implemented a Streamlid-based dashboard for visualizing key insight.

Deep Learning Methods for Classify Welding Quality Image

May 2024 – July 2024

- Built a CNN model with VGG16 for welding image classification, achieving 98% of accuracy in balanced data conditions.

ACTIVITIES

Workshop Committee, PIC Equipment Division “Trap Hackers with Honeypots”
Buana Perjuangan University – Karawang, West Java

June 2023

- Coordinated 5 team members in the equipment division and worked with other departments to ensure smooth communication and tool management during the event.

CERTIFICATION / PATENT

• Data Analysis with Python – Dicoding	Sept 2024 – Sept 2027
• Data Science – Dicoding	Sept 2024 – Sept 2027
• SQL Fundamentals - Dicoding	Sept 2024 – Sept 2027
• Machine Learning for Beginners – Dicoding	Sept 2024 – Sept 2027

- **Python Programming** – Dicoding
 - **English Proficiency Certificate (442/600)** – British Council
 - **Patent: Implementasi Algoritma CNN Terhadap Aplikasi Klasifikasi Kesehatan Citra Bulir Padi “BRINJI”**
- Sept 2024 – Sept 2027

Apr 2024

Aug 2023

SKILLS

- **Python Programming Language**
- **Machine Learning**
- **Deep Learning**
- **LLM**