

# Angga Ramda Ramadhan

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## EXPERIENCE

<b>Artificial Intelligence Intern</b> PT. Salam Pacific Indonesia Lines (QHSE) – Jakarta	August 2024 - Present
<ul style="list-style-type: none"><li>Developed and deployed 3 AI projects in Computer Vision using YOLO and OpenCV to support QHSE operations including real time object detection. Applied data augmentation techniques in order to increase accuracy and model performance, achieving 87% of precision, recall 79% and f1-score 84%.</li><li>Collaborated with 2 departments to research AI applications, that potentially saving cost and more operational efficiency.</li></ul>	
<b>Laboratory Assistant for Data Mining Course</b> Buana Perjuangan University – Karawang, West Java	March 2024 – July 2024
<ul style="list-style-type: none"><li>Assisted over 200 students in implementing machine learning algorithm and debugging code.</li><li>Evaluated weekly assignments, ensuring accuracy in data processing and model development using Python.</li></ul>	
<b>Lecturer Research Project</b> Buana Perjuangan University – Karawang, West Java	June 2023 – Dec 2023
<ul style="list-style-type: none"><li>Conducted comparative analysis of 5 machine learning algorithm to classify heart disease and stroke disease patients. Cleaned 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.</li><li>Contributed as a 4th and 5th author on 2 research papers, indexed by Sinta 4 and Sinta 3.</li></ul>	

## EDUCATION

<b>Bachelor of Computer Science</b> Buana Perjuangan University – Karawang, West Java	Sept 2020 – June 2024
<ul style="list-style-type: none"><li>GPA: 3.51 / 4.00 (Cum Laude).</li><li>Awarded Incentive for Scientific Paper during 2024 Student Creativity Week.</li><li>Silver medal in Artificial Intelligence at National Scientific Paper Competition held by Brawijaya University (2023).</li><li>1<sup>st</sup> Place in KKN Scientific Paper Competition, Buana Perjuangan University (2023).</li><li>Class Coordinator for nearly 3 years and Laboratory Assistant for 6 months, overseeing 200+ students in the Data Mining course</li></ul>	

## PROJECTS

<b>General Chatbot with Llama 3.1</b>	Oct 2024
<ul style="list-style-type: none"><li>Developed a chatbot using LLM LLama 3.1 8B and optimized inference performance with Groq as an engine handling up to 500.000 token per day on flask-based web platform.</li></ul>	
<b>Air Quality Analysis Dashboard</b>	Sept 2024
<ul style="list-style-type: none"><li>Analyzed air quality data (2013-2017) using 2 questions based on SMART analysis question. Created a Streamlit cloud-based dashboard for visualizing key insight.</li></ul>	
<b>Deep Learning Methods for Classify Welding Quality Image</b>	May 2024 – July 2024
<ul style="list-style-type: none"><li>Implementing a CNN with VGG16 for welding image classification. Tested under 2 different conditions such as balance and imbalance conditions, achieving 98% of accuracy rate.</li></ul>	

## ACTIVITIES

<b>Workshop Committee, PIC Equipment Division “Trap Hackers with Honeypots”</b> Buana Perjuangan University – Karawang, West Java	June 2023
<ul style="list-style-type: none"><li>Coordinated 5 team members in the equipment division and liaised with other departments to ensure smooth communication and tool management during the event.</li></ul>	

## CERTIFICATION / PATENT

• <b>Data Analysis with Python</b> – Dicoding	Sept 2024 – Sept 2027
• <b>Data Science</b> – Dicoding	Sept 2024 – Sept 2027
• <b>SQL Fundamentals</b> - Dicoding	Sept 2024 – Sept 2027
• <b>Machine Learning for Beginners</b> – Dicoding	Sept 2024 – Sept 2027
• <b>Python Programming</b> – Dicoding	Sept 2024 – Sept 2027
• <b>English Proficiency Certificate (442/600)</b> – British Council	Apr 2024

- Patent: Implementasi Algoritma CNN Terhadap Aplikasi Klasifikasi Kesehatan Citra Bulir Padi “BRINJI”

Aug 2023

## SKILLS

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