

Muhammad Varel Antoni

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[Web Portfolio](#)

PROFILE

I am Muhammad Varel Antoni, an active student at University of Brawijaya, majoring in Information Technology. I consider myself a communicative person who works well in a team. I have a strong interest in Data Science and Artificial Intelligence. I am determined to pursue a career as a Data Scientist and ML/AI Engineer with a generalist skillset. My goal is to be well-prepared for the demands of the times by being creative and adept at solving problems.

EDUCATION

University of Brawijaya Information Technology	Aug 2022 - Present
<ul style="list-style-type: none">GPA: 3.80/4.00Achievements:<ul style="list-style-type: none">1st Winner of ICT Business Idea Competition ITCC 20241st Winner of Business Plan Pokja Scientific Competition 2024Finalist of AI Innovation Challenge at COMPFEST 17 2025Manager of Organizational Development Human Resource at Society of Renewable Energy UB	

EXPERIENCE

Computer Vision Engineer - Intern CADIT Consultants Asia Pte Ltd	Oct 2025 - Present
<ul style="list-style-type: none">Supported the development of a Safety AI System for maritime logistics by ensuring high-quality data inputs and reliable classification models.Managed the dataset creation process, performing rigorous annotation on safety and logistical objects (PPE, Cargo) to train robust detection models.Tools: Python, PyTorch, Visual Studio Code, CVAT, GitLab.	
Data Scientist - Intern PT Telkom Indonesia	May 2025 - Aug 2025
<ul style="list-style-type: none">Built a RAG-based intelligent chatbot using internal documentation to improve knowledge retrieval and internal decision-making processes.Developed a YOLOv9-based Computer Vision model to detect baby positions (e.g., standing, sleeping, near bed edge) as part of a safety monitoring initiative.Tools: Python, Google Colab, Visual Studio Code, Roboflow, GitHub, Streamlit.	
Machine Learning Engineer - Bootcamp DBS Coding Camp 2025	Feb 2025 - Jun 2025
<ul style="list-style-type: none">Completed intensive training in Machine Learning and Deep Learning, covering both theoretical and practical foundations.Worked on hands-on projects including recommendation systems, time series forecasting, and NLP classification using transformer models.Built a computer vision-based personal color detector for fashion advice as a capstone project.Tools: Python, Google Colab, Visual Studio Code, GitHub, Streamlit.	
Data Scientist - Project-Based Internship Home Credit Indonesia	Dec 2024 - Dec 2024
<ul style="list-style-type: none">Project-Based Virtual Intern: Home Credit x Rakamin Academy.Demonstrating excellent as a student by averaging 81 on score.Learning and completed various task related to Data Scientist, such as Excel, Big Data, Data Warehousing and Machine Learning.Tools: Excel, MySQL, Python, Google Colab.	
Machine Learning & AI Bootcamp - Bootcamp DQLab	Sep 2024 - Dec 2024
<ul style="list-style-type: none">One of the best participant by creating best portfolio.Learn about Machine Learning, Deep Learning and deploying a model to a dashboard.Tools: Python, Google Colab, Visual Studio Code, Github, Streamlit.	

ORGANIZATIONAL AND LEADERSHIP EXPERIENCE

Manager of Organizational Development at Human Resource I

Sep 2024 - Okt 2025

Society of Renewable Energy University of Brawijaya

- Contributed to building and strengthening an organizational culture that fosters innovation, collaboration, and optimal performance.
- Evaluated the effectiveness of organizational development programs, including training sessions and workshops on soft skills and knowledge in Renewable Energy.

Leader of the team at 2 Business Plan Competitions

Sep 2024 - Nov 2024

- Led 3-member team, to make a proposal, BMC, and presentation.
- Online and offline pitching to the jury.
- Won 1st place in both competitions.

Project Officer of Study With SRE x Lawnergy Talks 2024

Oct 2024 - Nov 2024

- Led and managed 4 division, ensuring successful seminar.
- Conducted many meetings to discuss about plan for the seminar.
- Make sure and coordinating everything is ready and goes well.

PROJECTS

- Facility Maintenance Request Website, Developed an AI system using a custom-trained YOLOv9 model and Gemini API integration to automatically detect and generate descriptive reports for facility damages. ([Github](#) & [Website](#))
- My personal Streamlit dashboard ([Github](#) & [dashboard](#))
- Personal Color Detector, dataset labelling and modelling using CNN ([Github](#) & [Website](#))
- Heart Disease Prediction, using classification through hyperparameter tuning ([Github](#) & [dashboard](#))
- Movies Dataset Visualizes App, doing data preprocessing and feature engineer ([Github](#) & [dashboard](#))
- Home Credit Scorecard Model, Project-Based Virtual Intern: Home Credit x Rakamin Academy ([Github](#))
- Brain Tumor Prediction, using Convolutional Neural Network (CNN) model ([Github](#))
- Plane Price Prediction, using various regression model ([Github](#))
- Hand Landmark Detection, using opencv ([Github](#))
- Weather Dataset, Using random forest classification ([Github](#))

CERTIFICATIONS

- 13 Certificates from DBS Coding Camp 2025 mostly focused on Machine Learning and Deep Learning, Dicoding Issued Feb 2025
- Certificate of Achievement - Home Credit Indonesia Data Science Project Based Internship Program, Rakamin Academy Issued Dec 2024
- Bootcamp Machine Learning & AI for Beginner Batch 14, DQLab Issued Dec 2024
- Accenture North America - Data Analytics and Visualization Job Simulation, Forage Issued Jun 2024
- Belajar Dasar Data Science, Dicoding Issued Sep 2024
- 10+ SQL and MySQL Certifications, DQLab Issued Jun 2024
- ASEAN Data Science Explorers 2024 Enablement Session – SAP Analytics Cloud and SAP Build Apps Online Training Session Issued Apr 2024
- Introduction to Microsoft Excel, Coursera Issued Jan 2025

SKILLS

Language: English, Bahasa Indonesia.

Skills: Python, SQL, MySQL, Google Colab, Microsoft Excel, Streamlit, Machine Learning, Deep Learning, Computer Vision, LLM.

Interest: Internship, Data Science, Machine Learning Engineer, AI Engineer, Business Intelligence.