

ANGGITO KARTAWIJAYA

+62895324404095 | whafie7@gmail.com | <https://www.linkedin.com/in/anggitokartaw/> | <https://github.com/Anggito09> Jakarta Timur, DKI Jakarta

I am a recent graduate from the Information Systems program at Jember University with a strong interest in project management, Odoo, data analysis, and machine learning. Through various experiences during my studies and involvement in innovative projects and competitions, I have been able to apply theoretical knowledge into practical solutions. I also have hands-on experience in analyzing business and operational needs, developing integrated system solutions, conducting functional testing, and preparing analytical reports to support decision-making processes. My adaptability and proactive attitude toward learning and collaboration prepare me to take on new challenges. I am committed to contributing effectively to a team and achieving meaningful, positive goals.

Work Experience

PT. Periksa Solusi Indonesia

Implementor

Jakarta, Indonesia

Jun 2026 – Present

A healthcare technology company providing cloud-based Hospital Information Systems (HIS), Electronic Medical Records (EMR), and digital health solutions to help healthcare providers improve operational efficiency, resource management, and the quality of patient care.

- Analyze client business processes and operational requirements, configure application modules, and implement Hospital Information Systems (HIS) and Electronic Medical Records (EMR) solutions aligned with healthcare workflows.
- Collaborate with clients and cross-functional teams to resolve functional issues, support system implementation, and ensure successful project delivery and user adoption.
- Prepare implementation documentation, conduct end-user training, and provide post-implementation support to ensure effective system utilization and continuous operational improvement.

PT. Alfatih Solusindo Technology

Technical and Functional

Karawang, Indonesia

Jun 2025 – Jun 2026

A healthcare IT solutions company specializing in hospital information systems, electronic medical records, ERP, HRIS, and digital transformation services for hospitals, clinics, universities, and manufacturing industries

- Analyze client business and operational requirements, especially for hospitals, clinics, and universities, to design and implement system solutions such as SIMRS, E-MR, HRIS, ERP, and Odoo ERP. This includes configuring, customizing, and integrating system modules to ensure smooth workflows between front office and backoffice operations while supporting hospital financial, billing, accounting, and management reporting needs.
- Conduct functional testing (QA), validate data accuracy, and collaborate closely with the development team to ensure system quality, compliance, and effective technical implementation. This also includes monitoring system performance, identifying issues, and recommending continuous improvements to enhance efficiency, reliability, and adherence to healthcare regulations.
- Prepare technical and functional documentation such as workflow diagrams, SOPs, user manuals, and analytical reports. Provide user training, technical support, and post-implementation assistance while developing hospital operational and performance reports that help management monitor business growth and support strategic as well as operational decision-making.

Teach Code

Teacher

Surabaya, Indonesia

Feb 2025 - Jun 2025

Teaching basic IT and fun coding for early childhood students through interactive and creative learning activities.

- Reviewed Teaching coding and AI knowledge for elementary to high school students with an interactive and fun approach.
- Developing innovative learning materials, according to students' level of understanding.
- Help students understand programming logic, algorithms, and AI concepts in a simple and easy-to-understand manner.
- Encourage creativity and problem solving through coding and technology applications.

PT Dicoding Indonesia

Facilitator Google Career Certificates X Telkom 2024 Batch 1

Bandung, Indonesia

Mei 2024 – Okt 2024

Guiding participants in data analytics and digital skills development through mentoring, learning support, and program facilitation

- Assist participants in understanding and completing Data Analytics and Machine Learning materials.
- Provide mentoring and technical guidance to ensure participants can complete the programme successfully.
- Contributed to the enhancement of participants' professional skills, with a case study-based and hands-on approach.
- Achieved a pass rate of 80.20%, with a total of 81 participants successfully completing the programme out of 102 google advanced data analytics participants.

PT Algonacci Sobat Nusantara

Research and Development (R&D) and Learning & Curriculum (L&C)

Jakarta, Indonesia

Feb 2024 - Jun 2024

Conducting research and development in Artificial Intelligence (AI) and Data Science, including model development, curriculum design, technical documentation, and training support for clients, students, and internal teams

- Conducted research and development in Artificial Intelligence (AI) and Data Science
- Developed and optimized machine learning models for business and academic needs
- Prepared research reports and scientific publications to support technology development
- Designed curriculum and learning materials related to AI, data science, and digital technology
- Organized mentoring, workshops, and training for clients, students, and internal teams in AI and data analytics

Education

Jember University - Jember, Indonesia

Aug 2021 - Jan 2025

S1 Information System, 3.85/4.00

- Major in Information System Cumulative GPA: 3,85/4,00
- 2nd place in the faculty-level 2023 software development competition
- 2nd place in the faculty-level smart city 2024 competition
- 3rd place in the national business plan 2024 competition
- Publication of sinta 3 accredited journal
- Publication of sinta 2 accredited journal.

SMA N 1 Gadingrejo- Lampung, Indonesia

May 2016 - Jun 2019

Science Major 85.00/100.00

- 2nd place in Scrabble at Lampung province level

Project

The 7th International Conference on Information Technology and Its Applications (ICITRI 2026) IEEE Jun 2026 - Sep 2026

Benchmarking CNN untuk Klasifikasi Fibrosis Hati Berbasis Citra USG B-Mode dengan Explainable AI dan Evaluasi Ordinal

- Developed a benchmark of nine CNN architectures for five-stage liver fibrosis (METAVIR F0–F4) classification using B-mode ultrasound images integrated with Grad-CAM explainable AI.
- Evaluated model performance using Accuracy, Macro-F1, Quadratic Weighted Kappa (QWK), Mean Absolute Stage Error (MASE), Adjacent Error Rate, Severe Error Rate, and Expected Calibration Error (ECE).
- Demonstrated that DenseNet-121 achieved the best performance with 98.3% Accuracy, 97.5% Macro-F1, 0.995 QWK, and 1.4% ECE, while MobileNetV4-Small offered the best lightweight trade-off for resource-constrained deployment. Presented at ICITRI 2026 and published in the IEEE Xplore Proceedings.

The Ninth International Conference Vocational Education and Electrical Engineering (ICITRI 2026) IEEE Jun 2026 - Sep 2026

Omniflow: An AI-Native Modular ERP Ecosystem with Integrated Observability for Intelligent Enterprise Systems

- Developed Omniflow, an AI-native modular ERP ecosystem with integrated observability for real-time business process automation and system monitoring.
- Designed a modular enterprise architecture to improve operational efficiency and support data-driven decision-making.
- Presented at the IEEE International Conference on Vocational Education and Electrical Engineering (ICVEE 2026) hosted by Universitas Negeri Surabaya (UNESA) and published in the IEEE Xplore Proceedings.

Cauchy: Jurnal Matematika Murni Dan Aplikasi

Aug 2025 - Sep 2025

An Explainable Deep Learning Approach for Brain Tumor Detection Using MobileNet and Grad-CAM

Visualization DOI: <https://doi.org/10.18860/cauchy.v10i2.35901>

- Developed an explainable deep learning model for brain tumor detection using MobileNetV4 combined with Grad-CAM visualization to improve interpretability and diagnostic transparency in medical imaging.
- Conducted preprocessing, classification, and evaluation on Brain Tumor MRI datasets using CNN-based architecture, achieving high performance with 98.29% accuracy and 99.96% ROC AUC, along with efficient training time of 738.82 seconds.
- Demonstrated that the integration of MobileNetV4 and Grad-CAM produces a lightweight, accurate, and clinically interpretable framework that enhances tumor localization, reduces false positives, and supports medical decision-making.

Jurnal Pengembangan IT Politeknik Harapan Bersama

Mar 2025 - Jun 2025

Perbandingan IndoBERT dan IndoRoBERTa Untuk Analisis Sentimen Pada Film Dokumenter Dirty Vote

DOI: <https://doi.org/10.30591/jpit.v10i3.8607>

- Conducted a comparative sentiment analysis study on the documentary Dirty Vote using two transformer-based models, IndoBERT and IndoRoBERTa, to evaluate model performance in Indonesian text classification tasks.
- Implemented Natural Language Processing (NLP) techniques for data preprocessing, sentiment classification, and performance evaluation to determine the most effective model for sentiment analysis.

Prosiding Seminar Nasional Teknik Elektro, Sistem Informasi, dan Teknik Informatika (SNESTIK)

Feb 2025 - Mar 2025

Advanced Sleep Disorder Classification: An ML-Based Study with Optuna for Model Optimization

<https://ejurnal.itats.ac.id/snestik/article/view/7380/4756>

- Developed a machine learning-based classification system for detecting sleep disorders.
- Utilized Optuna for hyperparameter optimization to enhance model performance.
- Conducted comparative analysis of various ML algorithms to determine the most effective approach for sleep disorder classification.
- Seminar National Seminar on Electrical Engineering, Information Systems, and Informatics (SNESTIK) V

Prosiding Seminar Nasional Teknik Elektro, Sistem Informasi, dan Teknik Informatika (SNESTIK)

Feb 2025 - Mar 2025

Comparative Analysis of LSTM, GRU, and Meta Prophet Stock Forecasting Methods with VaR-ES Risk Evaluation

<https://ejurnal.itats.ac.id/snestik/article/view/7259/4838>

- Developed a Focused on forecasting in the real estate sector using LSTM, GRU, and Meta Prophet models.
- Applied Value at Risk (VaR) and Expected Shortfall (ES) for risk evaluation on both models and stock data.
- Analyzed and compared model performance to optimize stock price prediction accuracy and investment risk assessment.

Jurnal Teknik Informatika (JUTIF))**Okt 2024 - Des 2024****Optimising Bitcoin Price Forecasting Using LSTM, GRU, Prophet, VAR, and ES Multi-Model Approaches**DOI: <https://doi.org/10.52436/1.jutif.2025.6.3.4078>

- Developed a comprehensive Bitcoin price forecasting system using a comparative multi-model approach (LSTM, GRU, Prophet, VAR, and Exponential Smoothing) combined with time-series analysis to capture long-term market trends.
- Performed extensive data preprocessing, feature engineering, hyperparameter tuning, and model evaluation using MSE, RMSE, MAE, and MAPE to ensure accurate and reliable forecasting performance.
- Integrated investment risk analysis using Value at Risk (VaR) and Expected Shortfall (ES), and published the research in JUTIF (Jurnal Teknik Informatika), a SINTA 2 accredited journal under the Indonesian Ministry of Education, Culture, Research, and Technology.

Jember University**Apr 2023 - Juli 2024**

Detection Developed AI-based applications focusing on computer vision, sound recognition, and predictive analytics to improve accessibility and healthcare support systems. Applied machine learning and deep learning techniques to solve real-world problems through intelligent system development and research-based innovation.

- Developed an AI-based Sign Language Detection application using computer vision and deep learning for Indonesian Sign System (SIBI) recognition. Utilized computer vision and deep learning for accurate gesture recognition.
- Developed Baby Ops, a prototype application for baby cry detection and disease prediction using AI-based sound recognition, achieving 2nd place in a Faculty-Level Software Development Competition.

Airnav Tanjung Pinang**Feb 2024 - Jul 2024**

Machine System Airnav Assist

- Developed Introduces Airnav Tanjungpinang, ensuring users understand its structure, functions, and operations. Provides learning resources and interactive modules.
- Implements e-logbook for systematic daily logs, performance checks, and qualification tracking to enhance efficiency.
- Develops a responsive website for promotion, user engagement, and continuous updates based on industry trends and feedback.

Bangkit Academy**Sep 2023- Des 2023**

Smart Ambulance Service Centre Application (PPAP)

- Developed a mobile application to optimize emergency medical response.
- Integrated real-time GPS tracking for efficient ambulance dispatch.
- Enhanced communication between hospitals, patients, and ambulance services.
- Aimed to reduce emergency response time and improve healthcare accessibility.

Experience

Artificial Intelligence Laboratory of Computer Science Faculty**Aug 2023 - Aug 2024**

An academic laboratory organization focused on artificial intelligence research, machine learning development, and technology innovation activities within the Faculty of Computer Science. Gained experience in leadership, research coordination, and laboratory management while supporting AI-based learning and development programs.

- Bangkit Academy led by Google, Tokopedia, Gojek & Traveloka (Machine Learning Track), Gained in-depth knowledge of machine learning with an industry-standard curriculum.
- Led and managed AI laboratory programs, research initiatives, and resource allocation to ensure effective laboratory operations.
- Coordinated and collaborated with students, lecturers, and external partners to support AI research and innovation activities.
- Supervised machine learning and artificial intelligence project development, including training, experimentation, and implementation activities.
- Organized workshops, mentoring sessions, and technical training related to AI, machine learning, and data science.
- Managed budgeting, reporting, and performance evaluation to support sustainable laboratory development and research productivity.

Bangkit Academy led by Google, Tokopedia, Gojek & Traveloka**Jul 2023 - Des 2023**

Machine Learning Engineering Track participant, focusing on machine learning fundamentals, model development, and end-to-end AI system implementation. Gained hands-on experience in data processing, model training, and deployment, as well as professional skills development for career readiness in the technology industry activities.

- Bangkit Academy led by Google, Tokopedia, Gojek & Traveloka (Machine Learning Track), Gained in-depth knowledge of machine learning with an industry-standard curriculum.
- Final Project: Developed a mobile ambulance application as an AI-powered solution.
- Team Collaboration: Worked in a multidisciplinary team (ML, Cloud, Mobile Development).
- Certifications & Competencies: Acquired strong expertise in ML models and real-world implementation.

Information System Student Association**Des 2021 - Des 2022**

Student organization under the Information Systems Study Program at Universitas Jember focused on academic development, organizational activities, and student skill enhancement.

- Organized and managed student regeneration programs to enhance leadership and teamwork skills.
- Facilitated training sessions and mentoring programs for new members.
- Coordinated recruitment and assessment processes to strengthen the organization's human resource.

Skills & Certification

- Data Science & Machine Learning: Time series forecasting, financial risk analysis, model development, optimization, data preprocessing, and feature engineering.
- Artificial Intelligence & Software Development: AI application development, image classification, object detection, natural language processing, and AI system implementation.
- Programming & Technical Skills: Database management, API integration, data visualization, QA testing, system troubleshooting, Odoo ERP (finance, accounting, back office), SOP development, and workflow documentation.
- Research & Leadership: Academic research writing and publication in AI, machine learning, and financial forecasting; training, mentoring, team leadership, and public speaking.
- Certifications: Google Business Intelligence (2025), Google Advanced Data Analytics (2024), TensorFlow Developer Certificate (2024), Google Data Analytics (2023), Google IT Automation with Python (2023), DeepLearning.AI TensorFlow Developer (2023), Machine Learning (2023), Mathematics for Machine Learning and Data Science (2023), Scrum Advanced (2023), Microsoft & LinkedIn Career Essentials (Data Analysis, System Administration, Project Management) (2023).