



VALENTINO HARTANTO

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Summa Cum Laude Bachelor of Computer Science (S.Kom.) specializing in Computer Vision and Deep Learning architectures. Experienced in building, optimizing, and evaluating ML models using PyTorch, backed by strong analytical research capabilities. Currently expanding technical breadth in mobile software engineering at the Apple Developer Academy to integrate high-performance backend systems with intuitive, AI-driven applications.

Work Experiences

Apple Developer Academy @ Infinite Learning Mar 2026 - Present
iOS Developer Learner

- Engaged in a rigorous, challenge-based learning environment focusing on practical software engineering, UI/UX design, and business within the Apple mobile ecosystem.
- Developing robust iOS applications using Swift and SwiftUI, managing the full software development lifecycle from ideation to deployment.

PT. Salam Pacific Indonesia Lines Jul 2025 - Sep 2025
Full Stack AI Engineer Intern

- Developed and optimized machine learning models to support logistics operations, including predictive modeling for container defect ratios and employee performance metrics.
- Performed maintenance and debugging of internal web applications to ensure system stability, performance, and reliability.
- Collaborated with cross-functional teams to align AI model outputs with operational goals and performance metrics.

Informatics Laboratory Telkom University Feb 2025 - Jun 2025
Assistant Practicum Basics of Artificial Intelligence

- Facilitated AI laboratory sessions for two classes (~15 students), guiding students in fundamental AI techniques including search algorithms, reasoning methods, and data understanding using Python.
- Supervised practical sessions and guided students in understanding fundamental AI concepts through hands-on support and clear explanations during lab activities.

Informatics Laboratory Telkom University Sep 2024 - Jan 2025
Assistant Practicum Data Structure

- Managed and facilitated practical sessions for over 15 students across 2 classes, providing guidance on understanding data structures and their implementation using C++ programming.
- Supervised laboratory exams and ensured students comprehension of core concepts through hands-on support and clear instruction during lab sessions.

Education Level

Telkom University - Bandung Sep 2022 - Jan 2026
Bachelor of Informatics, 3.96/4.00

- Recipient of PKM-KC 2025 Research Funding (Kemdikbud)
- AI Laboratory Assistant - Study Group Division (Telkom University, 2024)
- Teaching assistant for the course on Algorithm and Complexity Analysis (Telkom University, 2024)
- Staff Member of the Student Management Board (BPM), Aspiration Commission (Telkom University, 2023)

Sedes Sapientiae High School - Semarang Jul 2019 - May 2022
High School Diploma in Science

- 3rd Place in the OSN Chemistry, Semarang City Level (2021)

Organisational Experience

AI Laboratory Telkom University Jun 2024 - Jun 2025
Asistant Laboratory

- Delivered instructional sessions to a group of 25 students, fostering an interactive learning environment and supporting effective knowledge acquisition.
- Assisting the supervising lecturer in organizing and supporting community service (abdimas) events, contributing to knowledge dissemination and practical engagement with the local community.
- Conducted applied computer vision experiments, including image preprocessing, feature extraction, and model evaluation for real-world visual classification tasks.

- Collected and analyzed student aspirations through various engagement methods such as surveys, socialization events, and feedback forms to identify key concerns and needs.
- Prioritized and filtered incoming aspirations based on urgency and relevance, ensuring critical issues were effectively communicated to relevant stakeholders for further action.

- Developed expertise in data processing and machine learning models, including building and optimizing models for supervised and unsupervised task,leveraging tools and frameworks to extract insights and support data-driven decision-making.
- Explored and implemented advanced AI solutions, including developing and deploying machine learning models on Google Vertex AI, enhancing skills in end-to-end machine learning workflows.

Skills, Achievements & Other Experience

- **Publications** 📄 (2025): Optimization of a Hybrid CNN-Transformer Using Particle Swarm Optimization (PSO) for Multiclass Skin Lesion Classification
- **Publications** 📄 (2025): Enhancing EfficientNetV2 for 12 Wheat Disease Classification Using Particle Swarm Optimization. Jurnal Ilmiah Komputasi, 2025.
- **Hard Skills** 📄 (2024): Intermediate Machine Learning - Kaggle Learn
- **Hard Skills** 📄 (2024): Mentee Digistar Class 2024 - Hacker Frontend
- **Hard Skills** 📄 (2024): Intro to Machine Learning - Kaggle Learn
- **Hard Skills** 📄 (2023): Belajar Dasar Visualisasi Data - Dicoding
- **Hard Skills** 📄 (2023): Belajar Machine Learning unutm Pemula - Dicoding
- **Achievements** 🏆 (2021): 3rd place in the National High School Chemistry Science Competition at the Semarang City level