

Professional Summary

Informatics graduate specializing in Artificial Intelligence, Automation, and Digital Transformation, with experience in developing scalable digital solutions, AI-driven systems, and operational technology platforms. Currently working as an IT Architecture & Solution Engineer at Pertamina Foundation while also serving as a Machine Learning & Data Science Facilitator at PT Dicoding Akademi Indonesia. Passionate about accelerating industrial digitalization through intelligent automation, data-driven systems, AI Computer Vision, and enterprise technology innovation to improve operational efficiency and strategic decision-making.

Skills

Technical Expertise

- Digital Transformation & Enterprise Solutions
- Artificial Intelligence & Computer Vision
- System Architecture & Automation
- Data Analytics & Monitoring Dashboard Development

Professional Competencies

- Strategic Problem Solving
- Cross-Functional Collaboration
- Technology Project Leadership
- Stakeholder Communication & Coordination

Work Experience

IT Architecture & Solution Engineer — Pertamina Foundation

Apr 2026 – Present

- Led digital transformation initiatives across internal and external operational divisions by architecting and deploying enterprise web-based systems and workflow automation solutions.
- Designed and developed strategic monitoring and planning dashboards to support program governance, operational visibility, KPI tracking, and executive-level decision making.
- Implemented AI-driven solutions including Computer Vision systems, AI Interview Assessment platforms, intelligent chatbot services, and AI-powered Fit Check applications to enhance operational efficiency and digital scalability.

Machine Learning Facilitator, Mentor & Mentor Coordinator — PT Dicoding Akademi Indonesia

Nov 2024 – Present

- Mentored and facilitated **96+ machine learning students** across national technology programs including **DBS Bank Coding Camp 2025**, **Coding Camp 2026**, and **Accenture Asah 2026**.
- Promoted as **Machine Learning Mentor Coordinator** in **Accenture Asah 2026**, supervising **38 mentors** and supporting learning operations for **2,026 participants**.
- Achieved a **95% mentee completion rate** while managing technical mentoring, project reviews, and machine learning implementation guidance.
- Contributed to large-scale national learning programs involving **5,800+ combined participants** and **146+ facilitators and mentors**.

Part-Time Tour Guide — Institut Teknologi Nasional Bandung

Feb 2025 – Oct 2025

- Served as campus buddy for student exchange participants from Malaysia and Vietnam, supporting academic adaptation and coordination.
- Guided cultural visits across Bandung, organizing structured itineraries and facilitating cross-cultural engagement.

Paid Part-Time / Event-Based Protocol Officer — Institut Teknologi Nasional Bandung

Jan 2022 – Oct 2024

- Served as protocol officer 3x for university graduation ceremonies, supporting planning, coordination, and execution.
- Coordinated event flow during university Job Fair events, managing guest and company representatives.
- Managed operational flow for the National Itenas Robotic Competition, ensuring schedule alignment and stakeholder communication.
- Assisted in delivering the “Pembinaan Kesadaran Bela Negara” orientation program for new students.

Freelance Software & Automation Developer

2021 – 2024

- Developed frontend and backend web solutions with RESTful APIs and database integration.
- Built automation scripts using Python and JavaScript to streamline workflows and improve efficiency.

Education

Bachelor of Informatics — Institut Teknologi Nasional Bandung (Itenas)

Sep 2021 – Jan 2026

GPA: 3.59 / 4.00 |

- Awarded Ministry of Education Scholarship covering full tuition and living expenses for four years.
- Active in academic and campus initiatives with consistent performance achievement.

Machine Learning Mentee — Bangkit Academy

Feb 2024 – Jun 2024

- Completed coursework in Supervised & Unsupervised Learning, Deep Learning, TensorFlow, and Model Deployment.
- Ranked Top 5 Most Active Students with a final average score of 94.07 / 100.
- Served as Machine Learning Core and Capstone Project Manager for real-world AI implementation.

Student Exchange Program — Can Tho University, Vietnam

Faculty of Automation Engineering | Feb 2025

- Represented Itenas in academic and cultural collaboration with Vietnamese students.
- Developed an IoT-based air quality monitoring system through cross-disciplinary teamwork.

Publications

Design of IoT-based Greenhouse Temperature and Humidity Monitoring System

Liman Hartawan, Galih A. Rakhmat, Noviyanti Nugraha, et al. (including Keindra Bagas Maulana)

Developed a wireless monitoring system using ESP-NOW and DHT21 sensors with solar-powered integration. Built a PHP-Firebase web dashboard for real-time data storage and visualization of greenhouse conditions.

Autonomous Navigation onto Autodocking Drone System using Computer Vision

Lisa Kristiana, Keindra Bagas Maulana, Shafira K. Fasya, et al.

Designed a PID-based control system for drone autodocking using computer vision, achieving 90% precision in controlled testing environments.

Organization Experience

Himpunan Mahasiswa Informatika (HMIF) ITENAS

Public Relations Division, Academic Division, and PMB Committee | Sep 2021 – Apr 2024

Contributed to academic and orientation programs, managed external partnerships, organized tutoring and exam preparation initiatives, and coordinated new student orientation events. Developed strong communication and cross-functional collaboration skills.

Google Developer Student Clubs (GDSC) & Google Developer Group (GDG) Bandung

Active Member | 2023 – Present

Participated in technical programs including Study Jam, Google I/O Extended, and DevFest Bandung, expanding knowledge in software development and emerging technologies.

Unit Musik Modern (UMM) ITENAS – Visual Division

Visual Production Team | Oct 2022 – Feb 2024

Supported event execution as backstage crew and master of ceremony (MC), assisting in stage coordination and live event flow management.

Awards

PROKIMNAS 2022 – Smart Building IoT

Nov 2022 – Mar 2023

Awarded PKM grant for developing a web-based smart building simulation integrating IoT to support sustainable urban development.

PROKIMNAS 2024 – AIDrone: AI-powered Emergency Drone

Nov 2024 – Mar 2025

Awarded PKM grant for building an eco-friendly AI and IoT-based drone system for emergency response and disaster relief.