



VERONICA IRENE TANUMIHADJA

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Cikarang, Bekasi Regency, Indonesia

Driven Informatics undergraduate at President University focusing on Artificial Intelligence and Web / Mobile Development. Experienced in building real-world web, mobile, and data processing apps with high user impact.

EDUCATION

B.Sc, Informatics, President University, Cikarang, Bekasi Regency, Indonesia 2023 – 2026 (Expected)

- GPA: 3.97/4.00 (87 credits)
- Jababeka Scholarship 75% Awardee
- Concentration: Artificial Intelligence
- Relevant Courses: Web & Server-Side Programming, Programming Concepts, Wireless & Mobile Programming, Software Engineering, Data Structures & Algorithms, Image Processing, Computer Vision, Deep Learning, Natural Language Processing, Language Understanding & Generation.

PROJECTS

Web Developer and AI Engineer, Caption Generator | [LINK](#) July 2025

- Delivered a fully functional AI-powered web app within 1 week as part of a Distributed & Parallel Systems course project.
- Enabled automatic image captioning in 5+ tones and translation into 10+ languages for diverse content generation.
- Applied parallel processing and Hugging Face Transformers to optimize speed and multilingual performance.

Leader and AI Engineer, Dynamic 5S, PT Mattel Indonesia | [LINK](#) April 2025 – May 2025

- Lead a team of 4 to build a computer vision system using YOLO models to detect 5S workplace violations with 90%+ accuracy across 5 categories.
- Collected and annotated 200+ images for model training and fine-tuning.
- Conducted comparative evaluation of 5+ object detection models to identify the most efficient solution.

App Developer, Lecturer Appointment | [LINK](#) November 2024 – December 2024

- Developed a native Android app using Java and Android Studio to manage student-lecturer appointments.
- Implemented 3+ core features: user authentication, appointment booking, and real-time schedule sync.
- Achieve <20s booking flow for 10+ lecturers during internal testing.

AI Engineer and Web Developer, SI-WAQU | [LINK](#) February 2024 – August 2024

- Build a Streamlit-based dashboard integrated with MongoDB to assess and visualize water quality across 4 indicators.
- Trained a Random Forest model on 5000+ data points with 100% accuracy and F1-score of 1.00.
- Delivered user-friendly insights and 3+ personalized suggestions for non-clean results.

Leader and and Web Developer, Pet Shop March 2024 – April 2024

- Designed a Java-based GUI app with NetBeans and Swing for product and stock management, featuring 5 core modules.
- Integrated 12+ GUI components for intuitive dashboard navigation.
- Enabled efficient in-app operations with streamlined <3-click workflows for key employee actions.

SKILLS

Language: Indonesian (native), English (DET: 100/160), Mandarin (basic)

Programming Language: Python, Javascript , SQL, Java

Web & Mobile Development: React, Next.js, Flask, Laravel, Vite, Tailwind CSS, Bootstrap

Machine Learning and AI: Hugging Face, YOLO, TensorFlow, PyTorch, Keras, Scikit-learn

Data and Analytics: Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn, Excel

Database Management: MongoDB, Firebase, MySQL

Tools: Git, Github, Docker, Visual Studio Code, Google Colab, Jupyter Notebook

Soft Skills: Leadership, Problem-Solving, Communication, Teamwork, Project Management

ORGANIZATIONAL EXPERIENCES

Secretary I, PUFA Computer Science (BEM Fakultas), President University October 2024 – Present

- Standardize internal documentation processes, reducing repetitive admin tasks by 70% and improving workflow efficiency.
- Scheduled and facilitated 6+ meetings, ensuring accurate and timely minutes.
- Led internal communications for 50+ members across multiple digital platforms

Event Organizer, Computer Science Gala 2025, President University

February 2025 – June 2025

- Co-develop 10+ event segments with a cross-functional team of 5+ members.
- Coordinate across 5+ divisions to align event logistics and timelines.
- Contributed to successful execution of an event attended by 100+ participants.

Student, StudentsCatalyst National Batch 5

September 2024 – May 2025

- One of the 100 students across Indonesia.
- Lead Go-To-Market Strategy team in the final project (IdeACT) with Pristin Solutions as the client.
- Participate in 3 regular forums and 1 honor forum.

CERTIFICATION & ACHIEVEMENTS

Certifications: IBM Granite LLM, IBM SkillsBuild (2025), Microsoft Azure AI & DevSecOps, Microsoft (2025), Vertex AI Explorer, Google Cloud Skills Boost (2025), Data Structures with Python, Skillvul (2024)

Achievements: Google APAC Solution Challenge (2025) Participant, Samsung Innovation Campus Batch 5 (2024) Semifinalist, StudentsCatalyst National Batch 5 (2025) The Most Cumlaude, GEMASTIK (2024) Participant