

VERONICA IRENE TANUMIHADJA

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Passionate Informatics undergraduate at President University focusing on Artificial Intelligence and Web Development. Completed 10+ tech projects spanning AI, full-stack web apps, and mobile applications. Currently serving as Secretary I of President University Faculty Association (PUFA) of Computer Science. Eager to bring technical expertise and collaborative leadership to a global innovation-driven environment.

EDUCATION

B.Sc., Informatics, President University

2023 – Present

- Current GPA: 3.97/4.00 (87 credits).
- Minor: Artificial Intelligence
- Scored 100 on the Duolingo English Test (DET).
- Relevant Courses: Web and Server-Side Programming, Programming Concepts, Database System, Object Oriented and Visual Programming, Data Structures and Algorithms, Image Processing, Computer Vision, Deep Learning, Natural Language Processing

ORGANIZATIONAL EXPERIENCES

Secretary I, PUFA Computer Science (BEM Fakultas), President University

October 2024 – Present

- Create standardized to reduce repetitive admin work by 70% and improved workflow efficiency.
- Schedule and organize 5+ meetings with detailed minutes.
- Lead internal announcements for 50+ members, applying structured communication across digital platforms.

Event Organizer, Computer Science Gala 2025, President University

February 2025 – June 2025

- Co-develop 10+ event segments with 5+ division members.
- Coordinate across 5+ event divisions to synchronize deadlines.
- Support event readiness for 100+ expected attendees.

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 Pristinz Solutions as the client.
- Participate in 3 regular forums and 1 honor forum

PIC Fundraising, Christmas 2024, President University

November 2024 – January 2025

- Achieve 100% of the target for the event fund.
- Lead 5 division members to support event funds.
- Coordinate 3+ internal division meetings to align weekly fundraising goals.

PROJECTS

Leader and AI Engineer, Dynamic 5S, President University | [LINK](#)

April 2025 – May 2025

- Lead a team of 3 in developing a computer vision system to detect 5S workplace violations using YOLOv11; achieved 90% accuracy across 5 categorized outputs.
- Collect and annotate 100+ dataset images to train and fine-tune models.
- Conduct comparative evaluation of 5+ object detection models to recommend the most efficient for the application.

App Developer, Lecturer Appointment, President University | [LINK](#)

November 2024 – December 2024

- Build a native Android application using Java and Android Studio, enabling students to schedule and manage appointments with lecturers through a clean, role-based interface.
- Design and implement 3+ core features, including: user authentication, appointment booking, and real-time schedule updates.
- Achieve near-instant data retrieval and filtering for 10+ lecturer profiles, with <20s booking flow completion in internal testing.

AI Engineer and Web Developer, SI-WAQU, President University | [LINK](#)

February 2024 – August 2024

- Develop a MongoDB-backed data pipeline and interactive Streamlit dashboard to visualize and assess water quality across 4 indicators.
- Train a Random Forest classifier on 5000+ data, achieving 100% cross-validation and test accuracy, with macro F1-score of 1.00.
- Design a user-facing Streamlit dashboard showing prediction, classification label, and 3+ personalized suggestions with likely causes for non-clean results.

Leader and Web Developer, Pet Shop, President University

March 2024 – April 2024

- Design and develop a Java-based GUI application using NetBeans and Swing, featuring 5 core modules: Employee, Product, Brand, Category, and Stock management.
- Implement 12+ GUI components, including JTable, JComboBox, and JMenuBar, enabling responsive interaction and in-app navigation between dashboard and modules.
- Enable employee access to update product details, add/delete categories, and manage brand-stock relationships with <3-click workflows.

SKILLS

Language: Indonesian (native), English (proficient), Mandarin (basic)

Databases: MongoDB, Firebase, MySQL

Programming: Python, Java, PHP, Javascript, C++

Frameworks and Libraries: Flask, Tensorflow, PyTorch, Hugging Face Transformers, spaCy, Scikit-Learn, OpenCV, Numpy, Pandas, Matplotlib, Streamlit, Laravel, Bootstrap

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

Tools: Microsoft Office, Google Suite, Canva

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HONORS & AWARDS

- **Jababeka Scholarship, President University (April 2023 - Present).** Ranked 2nd based on academic track, 75% scholarship for tuition fees.
- **Semifinalist, Samsung Innovation Campus Batch 5 (February 2024 - August 2024).** National AI-IoT competition attended by 2000+ participants. Reached top 40 university team.
- **The Most Cumlaude, StudentsCatalyst National Batch 5 (March 2025).** Awarded for achieving the highest academic excellence in the batch 5.

CERTIFICATION

Code Generation & Optimization Using IBM Granite, IBM SkillsBuild

June 2025

- Complete a 1-week training to generate, optimize, and debug code using IBM Granite LLM.
- Gain practical skills in prompt design, AI model selection, and troubleshooting common issues in AI-generated code for programming and data analysis tasks.

Generative AI Explorer – Vertex AI, Google Cloud Skills Boost

June 2025

- Complete structured lab modules on Vertex AI, PaLM, and prompt design.
- Earn digital badge after completing all Generative AI coursework on the platform.

Artificial Intelligence, Samsung Electronics

September 2024

- Participate in a 6-month hybrid program combining workshops and national competition.
- Complete modules on AI fundamentals, AI and IoT integration, and ethical model design.

Algorithm and Data Structures with Python, Skilvul

March 2024

- Learn 5+ core data structures, such as linked list, stack, array, queue, tree and algorithm complexity.
- Build Python solutions for common coding interview problems.

Python Advanced, Skilvul

March 2024

- Learn advanced topics including OOP, file handling, error handling, and decorators.
- Complete real-world coding challenges and debugging tasks.