



## VERONICA IRENE TANUMIHADJA

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Cikarang, Bekasi Regency, Indonesia

Driven final-year Informatics student at President University focusing on Artificial Intelligence and Web Development. Completed 10+ impactful projects in AI, full-stack web, & mobile applications. Eager to contribute technical excellence and collaborative leadership to an innovation-driven team.

### EDUCATION

#### B.Sc., Informatics, President University

2023 – Present

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

### SKILLS & COMPETITIONS

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

**Technical Skills:** Python, Javascript, SQL, PHP, Java, Flask, Laravel, React.js, Next.js, Vite, Tailwind CSS, Streamlit, Bootstrap, OpenCV, TensorFlow, PyTorch, Keras, Hugging Face, Ultralytics, Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn, MongoDB, Firebase, MySQL, Git, Github, Docker, Visual Studio Code, Jupyter Notebook

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

**Competitions:** Google APAC Solution Challenge (2025) Participant, StudentsCatalyst The Most Cumlaude (2025), Samsung Innovation Campus (2024) Semifinalist, GEMASTIK 2024 Participant.

### PROJECTS

- **Image Caption Generator** | [LINK](#) (2025): Built a full-stack image captioning web app using Salesforce BLIP for context-aware captions and MarianMT for 10+ multilingual translations with 5+ tone styles.
- **5S Kaizen - Audit Compliance Detector** | [LINK](#) (2025): Developed a computer vision system detecting 5S workplace violations using YOLO models with 90%+ accuracy across 5 categories, collected and annotated 200+ images, and benchmarked 5+ object detection models to ensure optimal performance.
- **Emotion Recognition** | [LINK](#) (2025): Built a real-time facial emotion detection system using a VGG-based CNN and OpenCV, trained on the FER-2013 dataset to classify 7 emotional states with live webcam inference.
- **Image Processing and Editing Web** | [LINK](#) (2025): Developed a Flask-based web app enabling 10+ image processing and editing features using OpenCV, Pillow, and SciPy, implemented secure file handling and storage operations with shutil.

### ORGANIZATIONAL EXPERIENCES

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

October 2024 – Present

- Standardized documentation processes, reducing admin tasks by 70%, facilitated 6+ meetings, and managed internal communications for 50+ members across digital platforms.

#### Event Organizer, Computer Science Gala 2025, President University

February 2025 – June 2025

- Co-developed 10+ event segments and coordinated across 5+ divisions to execute a successful event with 100+ attendees.

#### Student, StudentsCatalyst National Batch 5

September 2024 – May 2025

- Selected as one of 100 students nationally, led the Go-To-Market Strategy team for a client project with Pristin Solutions and engaged in 3 regular forums and 1 honor forum.