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, API, 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 Pristinz Solutions and engaged in 3 regular forums and 1 honor forum.