

TIRTA SAMARA

Fullstack Web Developer

+6281284964533 | tirta4132@gmail.com | portfoliotirta.vercel.app

PROFILE

Fullstack Web Developer experienced in Laravel, React.js, Next.js, and Tailwind CSS. Skilled in building end-to-end web applications, integrating APIs, and managing databases. Experienced in academic research on AI & Computer Vision (YOLO, OpenCV) with strong problem-solving, collaboration, and communication skills. Focused on delivering scalable, high-quality solutions.

WORK EXPERIENCE

FULLSTACK WEB DEVELOPER INTERN

WIT Indonesia, Bandung

Aug 2024 – Sep 2024

- Developed company projects using Laravel framework, building RESTful APIs and integrating front-end with back-end to deliver secure and scalable solutions.
- Collaborated with the team to meet client requirements, while optimizing application performance and enhancing overall user experience.

ACADEMIC PROJECT – LICENSE PLATE DETECTION SYSTEM

Indonesian Computer University

Feb 2025 – Jul 2025

- Built a real-time license plate detection system using YOLOv8 and OpenCV, integrated with OCR (PaddleOCR) for number recognition (~96% accuracy).
- Secured data transmission with ChaCha20-Poly1305 encryption and MQTT protocol on Raspberry Pi, achieving ~85% detection accuracy (mAP@0.5) on a custom dataset.

EDUCATION

Indonesian Computer University (UNIKOM)

2021 - 2025

Bachelor of Computer Science

CERTIFICATIONS

- Certified Web Developer, BNSP
- Best Participant, MSIB Batch 6 (NF Academy)
- Participant, Google DevFest

SKILLS

- Web Fundamentals:** JavaScript, PHP, Python
- Frameworks:** React.js, Next.js, Laravel, Tailwind CSS
- Backend & Database:** Node.js, MySQL, REST API
- Tools & AI:** Git, GitHub, OpenCV, YOLO (Object Detection)