

## Naoby Prawira

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### Education

#### Telkom University

Bachelor Degree, Informatics. GPA 3.97/4.00 (Summa Cumlaude)

August 2021 - February 2025

Thesis title : A Comparative Study of State-of-the-Art Object Detection Algorithms for Autonomous Vehicles in DonkeyCar Simulator. (Published in IEEE Xplore)

### Experience

#### MNC Innovation Center

##### AI Engineer

January 2026 – Present

- Responsible for several MNC Group large scoped projects that need to be supported with AI, including but not limited to FTA ads recommendation engine and RAG Chatbots.

#### Panarub Industry Co. Ltd.

##### AI Specialist

June 2025 – January 2026

- Responsible for the entire company's AI adoption to drive business processes.
- Was a single person in charge of developing several agentic LLMs, serving over 20,000 users across various sub-domains within a manufacturing facility.

#### AI Rudder

##### LLM Data and Evaluation Intern

February 2025 – May 2025

- Responsible for evaluating LLM with RAG training results across multiple domains.
- Managed 15+ freelancers to perform data annotation, ensuring their work followed best practices to produce high-quality datasets for LLM training.
- Conducted experiments to refine prompts for LLM data production.

#### Self Employed

##### Freelance AI Engineer

July 2024 – February 2025

- Conducted research on object detection models for developing a large OCR model for Nusantara Script.
- Managed 33.000+ images, trained classification models, and developed dashboards for tuberculosis detection from chest X-rays in collaboration with RSUP Dr. Hasan Sadikin.

#### Lembaga Layanan Pendidikan Tinggi Wilayah IV

##### Educational and Administrative Staff Data Processor

September 2024 – December 2024

- Continued development of a database platform for monitoring, recap, and visualization of 36.000+ lecturer records using PHP with Laravel framework.
- Initiated the development of the RAG-LLM system to process PDF documents for LLDIKTI IV's internal data.
- Assisted in scraping SISTER platform, accelerating data recap by over 400% compared to manual methods.

#### Telkom Indonesia

##### Big Data & Analytics Development Intern

July 2024 – August 2024

- Gain practical knowledge of generative AI, specifically Large Language Models (LLMs).
- Collaborating with coworkers to develop a multiplatform app for internal chatbot services.
- Implementing Retrieval-Augmented Generation (RAG) with LLMs for handling company internal data.

#### Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka

##### Machine Learning Cohort

February 2024 – June 2024

- Successfully created and presented a project that achieved top 50 out of hundreds of teams.

- Collaborated with cross-functional teams consisting of 7 members to develop innovative solutions for real-world problems, specifically designing an app that helps smokers to quit.
- Led a team of peers in a capstone project, resulting in a successful application with real-world impact.

## **CoE AI Telkom University**

### **Research Assistant**

January 2024 – February 2025

- Engaged in project selection phase, developing a computer vision app to detect and classify bridge cards using machine learning on provided dataset.
- Participated in several AI related internal technical development programs to increase knowledge that is needed for AI related projects.

## **Multimedia Laboratory Telkom University**

### **Programming Division Member**

February 2024 – February 2025

- Attended study groups focused on basic programming principles for machine learning, enhancing foundational knowledge and skills.
- Participated in an online webinar on computer vision, gaining insights into cutting-edge techniques and applications.
- Contributed to coding sessions and discussions, sharing knowledge and best practices with fellow members.

## **GDSC Telkom University Bandung**

### **Research and Development Core Team**

November 2023 – November 2024

- Taught Study Jam sessions and mentoring on machine learning fundamentals, providing peers with essential knowledge and practical skills.
- Conducted research and development on innovative solutions utilizing Google developer technologies, enhancing technical skills and practical knowledge.
- Developed several Study Jam sessions and tech talks, reaching out knowledgeable speakers to enhance the learning experience for participants.

## **Informatics Laboratory Telkom University**

### **Practicum Assistant**

September 2023 – June 2024

- Assisting three classes, each consisting of more than 40 students practicing Operating System.
- Provide guidance and support to students as they practice navigating the Operating System environment, particularly utilizing Xinu (a Debian-based OS).
- Deliver comprehensive instruction on essential OS commands, ensuring students develop a profound understanding.

## **Faculty of Informatics Telkom University**

### **Teaching Assistant of Artificial Intelligence**

September 2023 – January 2024

- Assisted students in understanding core AI concepts, enhancing their foundational knowledge in subjects like Fuzzy Logic and Bayesian Learning.
- Provided guidance during mentoring sessions, helping students navigate through complex topics and ensuring comprehensive understanding of learning materials.
- Assessed students' weekly assignments and programming projects, providing constructive feedback for improvement and monitoring their progress.

## **Skills & Interests**

**Technical:** Python, SQL

**Language:** Bahasa Indonesia (Native), English (Professional Working Proficiency)

**Interests:** Artificial Intelligence, Computer Vision, Large Language Model, RAG