

# MUHAMMAD HANIF SYA'BANI

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A Computer System student focusing on Machine Learning, particularly Computer Vision. Selected for the highly competitive Bangkit Academy and currently developing a thesis on medical multi-object tracking (MOT). Experienced as the Deep Learning Developer for the "HidroQu" capstone project. Supported by strong frontend skills (React.JS, Next.JS) for building end-to-end solutions. A dedicated Computer Systems student with a focus on Machine Learning and Computer Vision, currently engaged in developing a thesis on medical multi-object tracking (MOT) as part of the prestigious Bangkit Academy program

## Education Level

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**Universitas Sriwijaya - Palembang, Indonesia**

Aug 2022 - Jul 2026 (Expected)

*Bachelor of Computer System, 3.70/4.00*

## Work Experiences

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**Artificial Intelligence-Medical Center of Excellence (AIMed CoE) - Palembang, Indonesia**

Aug 2025 - Present

*Student Researches*

- Developing a final thesis project in Computer Vision, focusing on Multi-Object Tracking (MOT) for pediatric heart ultrasound videos.
- Conducted data annotation and labeling for pediatric heart ultrasound datasets, ensuring high-quality ground truth to support Multi-Object Tracking (MOT) model development and evaluation.
- Served as a member of the Public Relations (Humas) team, responsible for managing the official website for the Intelligent System Research Group

**PT Pertamina Hulu Rokan Zona 4 - Prabumulih, Indonesia**

Dec 2024 - Jan 2025

*Frontend Developer*

- Developed a fiber optic attenuation calculator web application to simplify attenuation calculations and analysis in optical network systems.
- Designed the calculator system using Next.js and TypeScript to ensure optimal performance and responsive design.
- Conducted attenuation measurements on fiber optic cables using industry-standard equipment to ensure compliance with technical specifications

## Organisational Experience

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**Google Developer Students Club (GDSC) - Palembang, Indonesia**

Nov 2023 - Aug 2024

*Member Front End Development*

- Design and develop innovative and responsive user interfaces using Javascript frameworks such as React.JS and Next.JS
- Collaborate with backend development and UI/UX design divisions to build software and train teamwork.
- Took on responsibility for participating in events and effectively carried out project task showcasing a commitment to accountability in frontend development

**Keluarga Mahasiswa Musi Banyuasin - Palembang, Indonesia**

Oct 2022 - Jun 2023

*Staff*

- Coordinator of the essay competition at the June 2023 Talent Week event, managing all aspects of the competition and ensuring the smoothness and success of the event.
- Leading the IT division in the Campus Entrance Seminar & Try Out Akbar (SEMESTA) event, with the responsibility of organizing all the information system needs of the event.
- Collaborate with other regional organizations in various activities such as humanitarian activities and sports.

## Skills, Achievements & Other Experience

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- **Projects** 🎯 (2025): Developed the official website for the Directorate of Innovation and Commercialization (Hilirisasi), Sriwijaya University, in 2025.
- **Achievements** (2024): 3rd place Web Design Code Competition, IFFEST Competition 2024
- **Hard Skills** (2026): React JS, Python