

Septiadi Bayu E.S.I

+62 822 9334 1525 septbyu24@gmail.com LinkedIn GitHub

Summary

A final-year student and problem-solver from the world of robotics who found his true passion in software engineering. My background in mechatronics gives me a unique perspective to understand the system as a whole, from the hardware to the code that runs it. My passion for learning is evidenced by completing more than 500 hours of intensive training in AI, Data Science, and MLOps. I am excited to channel my energy and technical expertise in Python and C++ to contribute in an innovative and global work environment.

Education

Yogyakarta State University July 2021 - August 2025 (Estimated)
Mechatronics Engineering Education (GPA: 3.43/4.00)

Selected Projects

Sign Language Translator Web Application (SIGNBRIDGE)

- Build a real-time web application to translate System Sign Language Indonesia (SIBI) into text. Implemented a Computer.
- Vision model with TensorFlow/Hard for hand gesture classification.

Interactive Dashboard for Student Performance Analysis

- Designed and built a data visualization dashboard to analyze student performance metrics. Leverage Python data.
- visualization libraries to effectively present insights from datasets.

Machine Learning Model Performance Monitoring Dashboard

- Set up and configure monitoring dashboards to track prediction model performance metrics in real time.

Technical Skills

Programming Language:

Python, C++

AI & MLOps:

Machine Learning, Deep Learning
(TensorFlow, Keras), Computer
Vision, MLOps, Docker, MLflow

Technology & Concepts:

REST API, JSON, Git & GitHub,
OOP, Monitoring

Training & Organizational Experience

Cohort Participants | Laskar AI

- Participants are selected for an intensive training program that focuses on the fundamental development and practical application of Artificial Intelligence.

Control & Programming Team Member, UKM

Robotika UNY

Nov 2021 – Nov 2024

- Programmed a microcontroller control system (C++) and contributed to the team's achievements, including 3rd National Champion at KKCTBN 2022.

Competency Certification | Dicoding Indonesia

Completed over 500 hours of training, covering Machine Learning, MLOps, Data Science, and Software Development.

Selected Competitive Achievements

- Finalist, National Unmanned Fast Boat Contest (KKCTBN) 2023
- 4th Place (Final), 4th Kibo Robot Programming Challenge 2023