

# BAGAS SURYA WIRAWAN

DoB: 2<sup>nd</sup> of April 2004 | Male | Jakarta, Indonesia | +6285770276295 | [bagaswrwn@gmail.com](mailto:bagaswrwn@gmail.com) | [Linkedin](#) | [Github](#)

## Summary Statement

Dedicated final year electrical engineering student specializing in electronics and automation systems. Experienced in the field of robotics and embedded systems. High achiever with multiple awards in national competitions. Experienced in working with a team in high-stress environments.

## Core Skills

**Hardskills:** C++, Python, OpenCV, PyTorch, Electronic Circuits, PCB design, embedded systems, Matlab, PLC, SCADA

**English:** Fluent, IELTS 7.5

## Education

**Institut Teknologi Sepuluh Nopember (ITS) - Surabaya** Aug 2022 - Present

- Electrical Engineering (4th year) - Current GPA: 3.57/4.00

## Work Experience

**Badan Riset dan Inovasi Nasional - Research Assistant** Jan 2025 - Feb 2025

- Created a device to aid the visually impaired using robots and AI (OpenCV, PyTorch, and LLM).

**Laboratory of Microelectronics and Embedded Systems (ITS) - Laboratory Assistant** Sep 2024 - Present

- Responsible for supervising and teaching lab work (electronic circuits) for 3 departments with over 60 students taught each semester.
- Organized and managed teams for the annual PKM event

## Organizational Experience

**Abinara Robotics Team (ITS)**

*Head of Programming* Jul 2024 - Jul 2025

- Responsible for supervising projects and managing a team of 5 people, optimizing workflow using the Scrum framework.
- Lead trainer for programming subjects (C++, Python, OpenCV, ROS), taught over 120 university students.

*Programmer* Nov 2022 - Jul 2024

- Programmed the robot's control systems using STM32 and Teensy
- Maintained the robot's electrical system and wiring.
- Organized ITS expo preparations, an event attended by 100-200 daily visitors.

## Achievements

1st Place National in National Robotics Competition (KRI) Search and Rescue Division	2024
3rd Place Regional in National Robotics Competition (KRI) Search and Rescue Division	2024
Best Strategy in National Robotics Competition (KRI) Search and Rescue Division	2024
3rd place in a scientific paper competition - Lomba Karya Tulis Ilmiah Mahasiswa (LKTIM) UNNES	2023