



# NAYAKA ALKAESYAH SURYANTO

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Jln. Pura Demak 1 No. 10

First-year Electrical Engineering student at Udayana University, highly motivated and proactive with a passion for Robotics and Programming. Equipped with a strong foundation in physics, mathematics, and informatics. Eager to find an opportunity to apply and grow my skills in a practical setting through projects, organizations, or an internship.

## Education Level

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**Universitas Udayana - Bali, Indonesia**

Aug 2025 -

*Undergraduated Electrical Engineering Student*

**SMAN 4 Denpasar - Bali, Indonesia**

Jul 2021 - May 2024

*Senior High School, Engineering Specialization, 88.88/100.00*

## Organisational Experience

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**Robotec Udayana - Badung, Bali, Indonesia**

Aug 2025 - Present

*Member of Coding Division*

- Collaborated closely with the Electronics and Mechanics Divisions to debug, test, and optimize the robot's performance in preparation for competition.
- Responsible for the development and implementation of firmware (software) for the "Agni Udayana" (KRSRI) robot using C++.
- Integrating and retrieving data from various sensors.

**Technology Artisan - Badung, Bali, Indonesia**

Aug 2025 - Present

*General member of Smart Technology Division*

- Actively involved in the research and development of prototypes in the fields of Internet of Things (IoT) and Computer Vision (CV).
- Learned and implemented microcontroller connectivity (ESP32) to the Blynk cloud platform for IoT projects.
- Studied the fundamentals of image processing (CV) using Python for basic object detection tasks.

**Foursma Computer Club - Denpasar, Bali, Indonesia**

Jun 2023 - Apr 2024

*Vice President*

- Assisted the Club President in leading and managing the daily operations of an organization with 30+ active members.
- Supervised and coordinated the execution of programs across various divisions, including Programming, Troubleshooting, Design, and Robotics.
- Played an active role in strategic planning, new member recruitment, and the execution of the club's main event, "FIO: Foursma Informatics Olympiad."
- Acted as the primary internal contact and facilitated effective communication between members and the executive board.

**Foursma Computer Club - Denpasar, Bali, Indonesia**

Jan 2022 - Jun 2023

*Member of Programming Division*

- Actively participated in an extracurricular program focused on enhancing digital literacy and skills.
- Learned and applied the fundamentals of C++ Programming and Robotics.

## Skills, Achievements & Other Experience

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- **Hard Skills:** Programming: C/C++ (Intermediate), Python (Basic); Simulation Software: Proteus (Intermediate); Hardware: Arduino (Intermediate)
- **Soft Skills:** Problem Solving, Teamwork, Time Management, Communication
- **Modules Taken (2024):** Indonesian Language Proficiency Test (UKBI) Score : 631