

# Syaikhasril Maulana Firdaus

0878-2971-4787 | [maulana23firdaus@gmail.com](mailto:maulana23firdaus@gmail.com) | [linkedin.com/in/syaikhasrilmf](https://linkedin.com/in/syaikhasrilmf) | [github.com/Syaasr](https://github.com/Syaasr)

## SUMMARY

Informatics student at Universitas Sebelas Maret with a GPA of 3.7/4.0, aspiring to build a career in Software Engineering and Web Development. Proficient in Java, C++, and Python, with practical experience in IoT, Robotics, and Object-Oriented Programming. Passionate about developing efficient solutions for real-world problems through clean code and algorithmic thinking. Open to networking and professional opportunities in the technology sector.

## EDUCATION

### Universitas Sebelas Maret

*Bachelor of Informatics (Current Semester: 3)*

Surakarta, Indonesia

*Exp. Graduation: 2028*

- **GPA:** 3.70 / 4.00

- **Relevant Coursework:** Object Oriented Programming, Data Structures, Algorithms, Web Development Basics.

## EXPERIENCE

### Robotika UNS

*Programmer (Part-time)*

Surakarta, Indonesia

*Oct 2024 – Present*

- Developed and optimized control algorithms for autonomous robots using C++ and Arduino/ESP32 microcontrollers.
- Collaborated with mechanical and electrical teams to integrate sensors and actuators, ensuring high precision for the Kontes Robot Indonesia (KRI) competition.
- Debugged and maintained legacy code to improve robot response time and stability during maneuvers.

### FIRA Indonesia Open 2025

*Volunteer Assistant (International Robosport Tournament)*

Surakarta, Indonesia

*Jun 2025*

- Served as a Technical Assistant Judge for the Line Follower category, ensuring strict adherence to international competition rules.
- Assisted in troubleshooting technical issues on the field and managed the flow of participants for over 20+ competing teams.
- Facilitated communication between international participants and the jury panel.

## PROJECTS

### Recycopter Game | Java, Gradle, LibGDX

Nov 2025

- Developed an endless arcade simulation game for the Final Project of Object Oriented Programming course.
- Implemented core game mechanics involving vehicle control (helicopter and boat) to simulate environmental cleanup tasks.
- Designed an upgrade system and level progression logic using Java classes and inheritance.
- Utilized Gradle for dependency management and LibGDX framework for cross-platform rendering.

## TECHNICAL SKILLS

**Languages:** Java, C++, Python, SQL, HTML/CSS, JavaScript.

**Frameworks Tools:** LibGDX, Arduino IDE, Git/GitHub, VS Code, Linux (Command Line).

**Soft Skills:** Problem Solving, Team Collaboration, Critical Thinking, Time Management, Adaptability.