

# ALYSA MILANO

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North Cikarang, Bekasi, West Java, Indonesia

Second-year Informatics student at President University with a strong focus on Internet of Things and system development. Experienced in IoT, backend web development, and embedded systems, with a solid technical foundation and attention to detail. Comfortable working in collaborative environments, communicating ideas clearly, and contributing to practical, solution-oriented projects.

## Education Level

<b>President University - Cikarang, Indonesia</b>	Sep 2023
Candidate for Bachelor of Science in Computing, 3.87/4.00	
• Jababeka Scholarship (2nd Rank)	

## Work Experiences

<b>PT. Nippon Steel Chemical And Material Indonesia - Cikarang, Indonesia</b>	Aug 2025 - Dec 2025
System Development	
• Developed internal web-based systems to support HRGA and Legal departments, including administrative and compliance workflows.	
• Built backend services, REST APIs, and database structures using Node.js, Express.js, and MySQL.	
• Performed system testing, debugging, and documentation to ensure data accuracy and deployment readiness.	
<b>Badan Riset dan Inovasi Nasional ( BRIN ) - South Tangerang, Indonesia</b>	Apr 2025 - May 2025
Research Intern	
• Developed an IoT-based aquaculture monitoring and control system using ESP32 for real-time water temperature management.	
• Implemented sensor data acquisition and RTC-based data logging to support structured experimental data collection.	
• Conducted system testing and evaluation to validate monitoring accuracy and control performance.	
<b>Setsail BizAccel - Cikarang, Indonesia</b>	Sep 2024 - Feb 2025
Interim Deputy Program Manager	
• Coordinate the planning and execution of workshops, seminars, and networking events for entrepreneurs.	
• Maintained complete records, created detailed reports, and managed all correspondence to support internal teams and other stakeholders.	
<b>Setsail BizAccel - Cikarang, Indonesia</b>	Sep 2023 - Apr 2024
Web Developer Intern	
• Developed and maintained websites for student business tenants using HTML, CSS, JavaScript, and PHP.	
• Collaborated with internal teams to align user needs, branding, and technical implementation.	
• Participated as a committee member for entrepreneurship and innovation events organized by SetSail	

## Projects

<b>Regulatory Compliance System (RCS)</b>	Aug 2025 - Dec 2025
Backend Developer	
• Internal web application developed using Node.js, Express.js, and MySQL to manage regulatory documents, license records, and compliance status tracking in a centralized system.	
<b>General Affairs Management System (GAMS)</b>	Aug 2025 - Dec 2025
Backend Developer	
• Internal web-based system built using Node.js, Express.js, and MySQL to manage administrative requests, inventory data, and reporting through structured backend services and database design.	
<b>Autonomous Monitoring and Control System (AMCS)</b>	Mar 2025 - Jun 2025
IoT Developer	
• IoT-based aquaculture system developed using ESP32, DS18B20, RTC (DS3231), and wireless communication for real-time water temperature monitoring and automated control.	
<b>Autonomous Mobile Robot for Obstacle &amp; Fire Detection</b>	Jan 2025
IoT Developer	

- Designed a robotic system integrating PID control, ultrasonic sensors, actuators, and fire hazard detection for autonomous navigation and response.

Launching Alpha Version of LightenUp App - Cikarang, Indonesia

Nov 2024 - Dec 2024

Project Manager

- Successfully led the alpha launch of the LightenUp app by coordinating cross-functional teams and managing project timelines.
- Ensured smooth execution of the launch event, aligning product readiness with marketing and user engagement strategies.

## Skills

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- **Programming & Technologies::** HTML, CSS, JavaScript, PHP, Java, SQL, C/C++ (Arduino)
- **Tools & Platforms::** VS Code, Git, Arduino IDE, Android Studio, Figma, Canva
- **Soft Skills:** Communication, Teamwork, Time Management, Adaptability, Problem Solving, Leadership
- **Languages:** English (Advanced), Indonesian (Native)