

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

President University - Cikarang, Indonesia

Sep 2023

Candidate for Bachelor of Science in Computing, 3.87/4.00

- Jababeka Scholarship (2nd Rank)

Work Experiences

PT. Nippon Steel Chemical And Material Indonesia - Cikarang, Indonesia

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.

Badan Riset dan Inovasi Nasional (BRIN) - South Tangerang, Indonesia

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.

Setsail BizAccel - Cikarang, Indonesia

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.

Setsail BizAccel - Cikarang, Indonesia

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

Regulatory Compliance System (RCS)

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.

General Affairs Management System (GAMS)

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.

Autonomous Monitoring and Control System (AMCS)

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.

Autonomous Mobile Robot for Obstacle & Fire Detection

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

- **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)