

SARAHWATI

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<https://sarahwati-arch.github.io/PORTOFOLIO/>

I am an Informatics undergraduate at President University with a concentration in Internet of Things. I am skilled in software engineering fundamentals, programming, web development, and databases, and I have hands-on experience in IoT, AI, and full-stack projects. I am passionate about leveraging technology to solve real-world problems and exploring emerging tools and frameworks. I am also actively developing leadership, teamwork, and communication abilities through campus organizations and collaborative initiatives.

EDUCATION

President University – Bachelor’s Degree in Informatics **2023 - Present**
GPA 3,80/ 4,00
75% Jababeka Scholarship Awardee

INTERNSHIP EXPERIENCES

PR & Event President University **Oct 2023 - Apr 2024**
Website Manager, News Writer & Photographer

- Managed and published 20+ web content pieces related to campus events, improving online visibility and engagement.
- Conducted 10+ interviews and produced photography coverage to support official university publications.
- Collaborated with the PR team to maintain the university’s official digital presence, reaching an audience of 5,000+ students and staff.

PT Integrity Asia - Indonesia **Sept 2025 - Present**
Software Engineer

- Applying the Software Development Life Cycle (SDLC) in real-world projects.
- Building applications with Java, React, Spring Boot, and TypeScript.
- Strengthening knowledge in Object-Oriented Programming (OOP) and modern web technologies.
- Collaborating with cross-functional teams to deliver scalable and impactful solutions.

ORGANIZATIONAL EXPERIENCES

President University Student Board (PUSB) **2023 - 2024**
Research and Development – Ministry of Self Development

- Conduct in-depth research related to the implementation of PUSB work programs and activities.
- Led research and evaluation for 12 major PUSB events, collecting feedback data from various stakeholders.
- Evaluate the effectiveness of activities based on the results of data analysis.

President University Major Association Informatics **2024 - 2025**
Vice Head of External Relation

- Support the Division Head in team management and ensure effective coordination across all external activities.
- Act as Supervisor for large-scale events such as Comparative Studies and Company Visits.
- Lead all phases of the event, from planning and logistical coordination to implementation and evaluation.

President University Developer Club **2024 - 2025**
Leader

- Lead the strategic direction of a technology-based club focused on front-end and back-end development, artificial intelligence (AI), and cybersecurity.
- Oversee the planning and implementation of key programs, including technology panels, workshops, study jam sessions, and internal development projects.
- Mentor over 170 active members across grades and majors to foster capacity growth and cross-disciplinary collaboration.

Web Development Member

- Participate in various learning activities such as workshops, study hours, technology discussions, and practice-based projects.
- Contribute to team problem-solving, creative idea, and cross-disciplinary collaboration.
- Enhance personal capacity through exploration of cutting-edge technologies and collaboration on real-world projects.

VOLUNTEER EXPERIENCES

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| • Exhibition LAM S2 IT President University Accreditation <i>IoT Project Exhibitor</i> | July 2025 |
| • IoT Trainer of Presuniv x UNITAR University Lecturer Collaboration <i>IoT Trainer</i> | May 2025 |
| • Company Visit PUDC and PUMA Informatics to CTI Group <i>Supervisor</i> | July 2025 |
| • Company Visit PUSB to PT. Amerta Indah Otsuka <i>PUSB Member</i> | July 2024 |
| • Seminar Collaboration BI – ID Cloud Community with PUDC <i>Chaiperson PUDC</i> | July 2025 |
| • Elevate Informatics Festival 2025 <i>Project Manager</i> | Jan - Aug 2025 |
| • Comparative Study PUSB – Unhan RI <i>Vice Project Manager</i> | Jan - Jul 2024 |
| • Social Project Digital Marketing & Personal Branding <i>Event Organizer & Master of Ceremony</i> | Jun - Jul 2024 |

PROJECTS

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| • IoT Box – PT. Mattel Indonesia – IoT-based machine monitoring system |
| • Customer Churn Prediction – PT. Lapis AI – ML model for churn analysis |
| • AMR – Autonomous mobile robot with obstacle avoidance |
| • Mathup Climber – Gamified math learning web app |
| • Pawcine – Cat care and adoption web app |
| • Cupkiss – Cupcake ordering web app |
| • Visar – Game rental management platform |
| • Stacato Studio – Music studio rental system |
| • Medibot – Medication reminder chatbot |
| • SynCat – Location tracker app |

CERTIFICATES & COURSES

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| • EF SET English Certificate 66/100 (C1 Advanced) – EF SET | 2025 |
| • Getting Started with AWS IoT – AWS Skill Builder | 2025 |
| • Introduction to IoT and Digital Transformation – Cisco Networking Academy | 2025 |
| • CS50’s Introduction to Artificial Intelligence with Python – HarvardX | 2025 |
| • Workshop: Unleashing Creativity and Technology President University x UNITAR International University Lecturer Collaboration | 2025 |
| • International Women’s Day – Google Developer Groups Bogor | 2024 |
| • Digistar Connect Goes to BINUS – Telkom Indonesia x GDSC | 2024 |
| • Workshop: Leveraging the Power of Machine Learning – PUMA Computing | 2023 |
| • DevFest Bandung – Google Developer Groups Bandung | 2023 |

SKILLS

Hard Skills: JavaScript, PHP, C++, Python, C Programming, Firebase, SQL, HTML, CSS, Flask, Docker, Canva, Microsoft Office.

Soft Skills: Leadership, Teamwork, Data Analysis, Public Speaking, Time Management, Problem Solving, Adaptive, Indonesian (Native), English (Beginner).