

AHMAD ARDHI NURYAMAN

Industrial Engineering | Design & Technology

Sleman, Special Region of Yogyakarta, Indonesia

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PROFILE

Industrial Engineering student interested in combining **design, technology, and human-centered problem solving** to develop practical solutions. Experienced in information system analysis, UI/UX design, 3D product design, manufacturing planning, and creative communication through academic and organizational projects. Comfortable working across disciplines, collaborating in teams, and translating real-world requirements into structured solutions.

EDUCATION

UPN "Veteran" Yogyakarta | Industrial Engineering (GPA 3,36/4,00)

2022 - 2026

Relevant Coursework: Information System Analysis & Design, Product Design, Entrepreneurship, Facility Layout Design.

PROJECTS

Tender Based Product & Manufacturing System Design

(Feb – June 2025)

University Project | 2-person team

- Developed a fictional manufacturing company and proposed a **stationary box product** as part of a university tender simulation using customer-provided wood as the primary material.
- Collaboratively developed the **company identity, product concept, competitor analysis, manufacturing process, and factory layout** based on the tender requirements.
- Took a primary role in **3D product design**, translating general functional and structural requirements into the proposed stationary box design.
- Contributed across the project from **product development to manufacturing system planning**, including production flow and facility layout

Inventory Information System for an MSME

(Aug - Dec 2024)

University Project | 3-person team

- Developed an inventory information system for a small food business to improve the management of **raw materials, purchases, and sales information**.
- Conducted initial user interviews and analyzed existing and proposed business processes to identify system requirements.
- Developed **use cases, context diagrams, DFD, UI/UX design, database implementation, and software functionality**.
- Implemented the database in **Microsoft Access** based on the team's ERD and contributed to software development and testing using **Visual Basic .NET**.

Desa TANGKAS – Community Waste Management Program

(May – Aug 2025)

Community Service Project | Team Leader | 10-person team

- Led a **10-member multidisciplinary team** through project planning, field implementation, and final reporting for a community development program in Magelang.
 - Contributed to waste-management activities involving **3R, composting, eco-enzyme, and waste-bank development** in collaboration with DLH Kabupaten Magelang.
 - Helped develop a waste-bank initiative that resulted in **Bank Sampah Karawitan**.
 - Contributed to a children's 3R education activity by introducing the reuse of plastic bottles as hanging flower pots.
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EXPERIENCE & LEADERSHIP

Industrial Engineering Laboratory – Information System Analysis and Design Laboratory

(Aug 2025 – Jan 2026)

Scientific Research & Development Division / Laboratory Assistant

- Developed laboratory learning materials and curriculum content, including **40+ pretest questions**, to support practical learning activities.

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EXPERIENCE & LEADERSHIP

Industrial Engineering Laboratory – Information System Analysis and Design Laboratory (Aug 2025 – Jan 2026)

Scientific Research & Development Division / Laboratory Assistant

- Guided and evaluated **45+ students**, providing technical instruction and constructive feedback on weekly assignments.
- Applied information-system analysis, design thinking, and visual communication in developing laboratory learning materials.

Interdisciplinary Scientific Research – PKM Center Department

(Jan 2024 – Feb 2025)

Media Creative

- Designed visual communication materials for **3+ events**, including social media content, committee identification materials, and posters.
- Collaborated with team members to translate event concepts into clear and engaging visual designs.

Takmir Masjid Sarbini

(July 2022 - July 2025)

Secretary

- Managed organizational administration, correspondence, proposals, and documentation.
- Developed the proposal and event schedule for a **20-day Ramadan program**.

HMTI UPN “Veteran” Yogyakarta

(Aug – Oct 2023)

Graphic Design / Field Division

- Designed event visual materials for a program attended by **150+ participants**.
 - Mentored **24 new students** during the Industrial Engineering student orientation program.
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ACHIEVEMENT

Student Creativity Program - Entrepreneurship (PKM-K)

Ministry of Higher Education, Science and Technology

- Secured more than **IDR 6 million in funding** to develop an under-eye mask product using **banana peel as the primary material**.
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SKILLS

Design & Creative: Figma, Canva, UI/UX Design, Graphic Design, Design Thinking

Technology & Information Systems: Visual Basic .NET, Microsoft Access, Information System Analysis, Database Development

Product & Engineering Design: SolidWorks 3D Modelling, Assembly, Technical Drawing, Manufacturing Planning

Professional: Problem Solving, Communication, Teamwork, Leadership, Presentation

LANGUAGES

Indonesian – Native

English – Pasif