

Soni Hartadi
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D4 Student in Electronics Engineering at Yogyakarta State University with strong analytical thinking and hands-on experience in Linux-based development and hardware-software integration through various technical projects. Proficient in multiple programming languages, with a solid understanding of embedded systems and system-level problem solving. Actively involved in student organizations, demonstrating teamwork, leadership, and practical project coordination skills.

EDUCATION

Yogyakarta State University — Sleman, Yogyakarta
Undergraduate Student in Electronics Engineering Education | GPA: 3.75 — August 2023 – Present

WORK / INTERNSHIP EXPERIENCE

PT KAI Operational Area 6 — Special Region of Yogyakarta
Internship | Sintelis (Signaling, Telecommunications, and Electricity) — June – Sept 2026

- Performed routine maintenance and inspections of track switches, signaling systems, and locomotive radios, as well as repairs to railway electrical systems, to support operational safety.
- Designed and developed a dual-tone signal amplifier for railway warning sirens, focusing on signal generation and amplification to improve siren functionality.

CV Inderaja Teknik Indonesia — Sleman, Yogyakarta
Internship | Data Analyst — January – February 2026

- Collected, cleaned, and standardized POI data of ±180 fuel stations across Yogyakarta Special Region, improving data consistency and usability for downstream analysis.
- Performed data cleaning and validation using **Python (Pandas, NumPy)**, reducing duplicate and incomplete records by **~90%**.
- Documented data cleaning workflow and assumptions to support reproducibility and future updates.

Internship | Robotics Software Engineer

- Integrated Livox LiDAR sensor into **ROS2** Humble environment on Ubuntu, including driver setup, workspace configuration, and dependency management.
- Conducted system level debugging on Linux (build errors, missing dependencies, ROS package resolution), improving build success and runtime stability.

UNY Hotel — Sleman, Yogyakarta
Internship | Electrical Maintenance — May - September 2022

- Supported operation, installation, and maintenance of electrical systems across a 5-floor hotel with 130 guest rooms, ensuring continuous power availability.
- Performed preventive maintenance on electrical panels, lighting systems, and power distribution to reduce unexpected failures in a 24/7 operational environment.
- Ensuring a reliable electrical system for a hotel facility with 130 rooms and continuous operational demands.

ORGANIZATIONAL EXPERIENCE

UNY Robotics Team (UNY Robotics) — Yogyakarta
Chairman — January 2026 – Now

- Designed and launched 3 flagship organizational programs to strengthen talent development and competition readiness.
- Leading strategic planning for eight prestigious national robotics competitions, including fund allocation.
- Managing 3 competition contingents, supervising 17 teams and more than 250 active members in the UNY Robotics Team

UNY Robotics Team - Indonesian Flying Robot Contingent - Team Fixed Wing — Yogyakarta
Chairman — August – October 2025

- Secured **UNY's first-ever award category placement** since KRTI has been organized by the Ministry of Higher Education, Science, and Technology
- Achieved Third Runner-Up (Third Runner-Up) in the Fixed Wing Division.
- Led the Fixed Wing team in the Indonesian Flying Robot Contest (KRTI) 2025, coordinating technical and non-technical preparations

Entrepreneurship Student Activity Unit (UNY Entrepreneurship) — Yogyakarta
Deputy Head of Public Relations Department — February – December 2025

- Achieved an end-of-term performance rating of 8.6/10 (B Rating) for departmental outcomes.
- Co-led and supervised 6 staff members throughout one full organizational term.
- Coordinated cross functional with 5 internal divisions to support organizational programs.
- Guiding staff in managing communication with external partners
- Served as a facilitator in 5+ organizational events, supporting program execution and participant engagement.

Entrepreneurship Student Activity Unit (UNY Entrepreneurship) — Yogyakarta
Staff of Human Resource Development Department — February – December 2024

- Contributed to achieving Best Department award (B+ Rating) at the end of the organizational term.
- Served as Person-in-Charge (PIC) for the Training for New Members 2024 program involving ~150 participants and ~50 organizing committee members.

UNY Chess Club (UNY Chess) — Yogyakarta
Staff of Cadre Department — February – December 2024

- Acted as PIC for 3 internal programs, supporting member development and regeneration initiatives.
- Communicate with five divisions of the organization to ensure alignment and program implementation.

Infinite UNY (Information Technology) — Yogyakarta
Member — February – December 2024

- Participated in 3 internal activities focused on information technology exposure and skill development.

LEADERSHIP & VOLUNTEERING

Indonesian Flying Robot Contest — Yogyakarta
Observer — September 2024

- Served as Organizing Committee (Observer) in the LELA Division, supporting the execution of a national-level robotics competition involving 15 competing teams.
- Actively participated in 1 week full time event operations, including technical coordination, team flow management, and on site competition support under UNY's organizing committee.

- Contributed to ensuring smooth daily operations and adherence to competition schedules in a high-pressure, time-critical environment.

Training for New Members of the UNY Entrepreneurship Student Activity Unit 2024 — Yogyakarta
Chairman — September – November 2025

- Led the organization and execution of a member training program for ~150 participants, coordinating a committee of ~50 organizers across multiple divisions.
- Oversaw, scheduling, and cross-division coordination, ensuring activities were delivered on time and aligned with organizational objectives.
- Achieved an average participant satisfaction score of 8.6/10, reflecting strong program structure, content relevance, and event execution quality.

National Entrepreneurship Festival Entrepreneurship Student Activity Unit — Yogyakarta
Public Relations Coordinator — March – June 2024

- Led a Public Relations team of 7 members over a 3-month preparation and execution period for a national-scale entrepreneurship festival.
- Coordinated external communications, promotional activities, and stakeholder engagement to support event visibility and attendance
- Ensured consistent messaging and timely dissemination of information across multiple communication channels during the pre-event and event phases.

ACHIEVEMENTS & ACTIVITIES

Awards & Competitions

Awardee – Student Achievement Award (Mahasiswa Berprestasi) 2025 – **Yogyakarta State University**
3rd Runner Up – Indonesian Flying Robot Contest (KRTI) 2025, Fixed Wing Division – **Kemendiktisaintek**
2nd Runner Up – Indonesian Student Entrepreneurship Expo (KMI Expo) XVII – **Kemendiktisaintek**
Funding Awardee – Student Entrepreneurship Development Program (P2MW) – **Kemendiktisaintek**
Finalist – Indonesian Flying Robot Contest (KRTI) 2026, Fixed Wing Division – **Kemendiktisaintek**
Awardee – Business Incubation Funding (IDR 10,000,000) – **Yogyakarta State University**
2nd Place – National Business Plan Competition, National Entrepreneurship Festival 2026 – **UNY Entrepreneurship Student Activity Unit**
2nd Place – Video Business Challenge, EIT FE – **Sriwijaya University**
7th Place – Business Model Canvas Competition – **BRImo × Ciputra University**
Finalist – National Business Model Canvas Competition – **Entrepreneurship Student Activity Unit, Surabaya State University**
Finalist – National Business Model Canvas Competition – **Entrepreneurship Student Activity Unit, Bandung Islamic University**
Passed University-Level Selection – Student Creativity Program – Entrepreneurship (PKM-K) 2025 – **Yogyakarta State University**
Passed University-Level Selection – Student Creativity Program – Creative Initiative (PKM-KC) 2024 – **Yogyakarta State University**
Participant – OLIVIA XI, Applied Science Competition Category – **Kemendiktisaintek**

Speaking Engagements

Speaker – Tuesday Morning Business Class – **Yogyakarta Office of Cooperatives and SMEs (Dinas Koperasi dan UKM Daerah Istimewa Yogyakarta)**
Speaker – SORCERY GATHERING #7: Securing Data with Zero-Knowledge Proof 2025 – **Data Sorcerer Community**
Speaker – Webinar "Maximize Claude for Students: Accelerating Productivity Using AI Agents"
Speaker – CRAFT 2026: Building Data Insights by Exploring Data Processing with Python – **Mathematics Student Association, Faculty of Mathematics and Natural Sciences, Yogyakarta State University**
Speaker – SMK Telkom Goes to Campus – **Faculty of Engineering, Yogyakarta State University**
Speaker – Campus Introduction Culture in Electrical and Electronics Engineering (CIRCUIT) 2025 – **Electrical and Electronics Student Association, Vocational Faculty, Yogyakarta State University**

Speaker – Program Introduction of Electrical and Electronics Engineering (PIONEER) 2025 – **Electrical and Electronics Student Association, Vocational Faculty, Yogyakarta State University**
Speaker – New Member Training 2026 – **UNY Entrepreneurship Student Activity Unit**
Speaker – Upgrading UNY Entrepreneurship Student Activity Unit 2026 – **UNY Entrepreneurship Student Activity Unit**

LANGUAGE SKILL

Yogyakarta State University

- Passing Grade ProLingo UNY at Score 910

HARD SKILL

- Python
- Linux environment & CLI
- Robotics & Embedded System

SOFT SKILL

- Leadership
- Communication
- Critical thinking & problem solving