ANGGA JANANDA

Physics Graduate | Instrumentation • IoT • Technical & Operations

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PROFESSIONAL SUMMARY

A dedicated Physics graduate from Universitas Brawijaya, specializing in Instrumentation and IoT systems. I possess a unique professional background, having successfully balanced a 4-year career in the F&B industry with rigorous academic requirements. Progressing from Staff to Head Kitchen while completing my technical degree has honed my leadership, operational discipline, and resilience. I am a tech-enthusiast with a proven ability to design hardware-software solutions (IoT) and author comprehensive system blueprints (PRD). Highly motivated to pivot my analytical mindset and work ethic into the atomization technology industry.

CORE COMPETENCIES

TECHNICAL
IoT System Design • Sensor Integration • ESP32 • MQTT • Data Acquisition • Arduino IDE • LabVIEW

PROFESSIONAL
Teamwork • Operational Discipline • SOP Compliance • Inventory Control • Problem Solving • Adaptability

EDUCATION

Universitas Brawijaya — Malang, Indonesia | Bachelor of Science in Physics (Instrumentation Concentration)
GPA: 3.08 / 4.00 | Graduated: 2026

TECHNICAL PROJECTS

Virtual Instrument Application For Estimating Calorie Burning Based on Heart Rate — Final Project | 2024–2026 | Live Project: hriotsensor.online

- Developed an end-to-end IoT monitoring system using ESP32 and MQTT protocol for real-time heart rate tracking.
- Integrated MAX30102 and MPU6050 sensors and implemented data acquisition, communication, testing, and troubleshooting.
- Executed full-cycle development from sensor calibration and system integration to cloud-based data visualization.

ITEMU — Contextual Discovery Platform (Product Design) | July 2026–Present | Advanced Product Requirements Document (PRD) Stage

- Authored an 18-page technical blueprint covering database schema, API documentation, and UI/UX flows.
- Developed a security mitigation matrix addressing SQL Injection, XSS, and IDOR, demonstrating structured technical planning.

WORK EXPERIENCE

Internship | Ctech Labs Edward Technology | 17 Januari 2022 – 11 Maret 2022

- Design and development of an iot-based system for monitoring a running oscillator via real-time streaming using an esp-32.
- System build with IoT web server

Head Kitchen | Habbit Eatery Coffee and Beer, Malang | 2024–2026

- Supervised and coordinated a kitchen team to maintain productivity and smooth daily operations.
- Ensured production followed established SOP and quality standards in a fast-paced environment.
- Managed stock tracking and inventory to support efficient operations and minimize waste.

Staff Kitchen | Habbit Eatery Coffee and Beer, Malang | 2023–2024

- Executed food preparation accurately while maintaining consistent quality and presentation.
- Collaborated with front-of-house teams to support seamless service during peak hours.

Staff Kitchen | Botani Cafe, Malang | 2022–2023

- Handled multiple kitchen stations and adapted to different operational requirements.
- Maintained workflow organization, cleanliness, and preparation efficiency while completing academic responsibilities.

SKILLS & LANGUAGES

- Languages: Indonesian (Native), English (Professional Working Proficiency — TOEFL).
- Technical Tools: Arduino IDE, JavaScript, Next.js (Architecture), Supabase & MongoDB (Database Design), LabVIEW (Virtual Instrumentation).

PORTFOLIO

portofolio.hriotsensor.online