

MOHAMMAD DZIKRI ABDILLAH

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Electrical Engineering student with hands-on expertise in electronics and Internet of Things (IoT), specializing in the design and development of microcontroller-based systems integrated with LoRa modules for reliable long-range wireless communication. Deeply interested in Embedded Systems and Firmware Development, IoT and Smart Devices, and AI/ML for Edge Devices (TinyML), with a strong drive to deploy intelligent, low-power solutions on constrained hardware. Adept at conducting system analysis to translate complex engineering challenges into scalable, efficient, and sustainable technological innovations, combining hardware precision with software intelligence to build impactful real-world applications.

Work Experience

SMP ITech PASIM Ar-Rayyan - Sukabumi, Indonesia

Jul 2023 - Feb 2024

Robotic Teacher

- Teaching basic and advanced concepts of robotics to students.
- Develop STEM (Science, Technology, Engineering, Mathematics) based learning materials.
- Teaching the use of robotics platforms such as Roborobo and Arduino.
- Developing students' problem-solving skills through project-based learning approach.

PT. Sketch Electronics - Sukabumi, Indonesia

Jul 2019 - Nov 2019

Field Work Practice | Production Operator

- Able to work well in accordance with company standards
- Fulfill targets set by the company
- Sorting Component Production Results
- How a Riveting Machine Works
- Assembly Yoke Assy Work Process
- Assembly Frame Assy Work Process
- Speaker Plate Assembly Working Process

Education Level

Universitas Nusa Putra - Sukabumi, Indonesia

Sep 2022

Undergraduate Electrical Engineering, 3.97/4.00

- Received a Mayor's scholarship from the university and got the 3rd highest score out of all recipients
- Responsible and consistent in getting a GPA of 3.25+ in every semester

Organisational Experience

Gerakan Anti Narkoba dan HIV/AIDS - Nusa Putra University, Indonesia

Sep 2023 - Sep 2024

Treasurer

- Manage the organization's financial receipts, expenditures, and payments in a transparent and accountable manner.
- Prepare Budget Plan (RAB) and Term of Reference (TOR) for each work program.
- Prepare periodic financial reports for evaluation and reporting to the organization's management.

Skills, Achievements & Other Experience

- **Achievements** (2025): 1st Place in Creative Ideas & Design Competition at Electro Weeks LOGRAK & EMC National 2025 in Politeknik Negeri Malang
- **Achievements** (2024): Ranks 7th in Indonesia and 695th in The World At IEEE Xtreme 18.0 Programming Competition
- **Achievements** (2023): Participant In The Field Of Physics At The ONMIPA-PT Regional Level
- **Achievements** (2023): N1 Adjudicators At National University Debating Championship (NUDC) Regional Level

- **Projects** (2024): Delegates in Program Perguruan Tinggi Mandiri Gotong Royong Membangun Desa LLDIKTI IV
- **Projects** (2023): Passed in Program Pembinaan Mahasiswa Wirausaha (P2MW)
- **Hard Skills:** Basic data entry and data processing using Microsoft Excel (simple formulas, sorting, formatting)
- **Hard Skills:** Basic understanding of electrical systems and installations
- **Hard Skills:** Administrative support for academic and laboratory activities
- **Soft Skills:** Adaptable and quick learner in dynamic work environments
- **Soft Skills:** Strong attention to detail in handling data, documents, and reports
- **Soft Skills:** Team-oriented with experience supporting group activities and operations