



PERSONAL INFORMATION

Age : 26 years old  
Address : Ampera,  
Padang  
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SKILLS

1. Technical skills
- PLC & Smart Relay Programming (Advanced)
  - Arduino and IoT Development (Advanced)
  - Electrical Troubleshooting & Maintenance (Advanced)
  - Robot Mechanical Design & Fabrication (Advanced)
2. Non Technical Skills
- Leadership & Team Management (Advanced)
  - Mentoring & Coaching (Advanced)
  - Problem Solving & Analytical Thinking (Advanced)
  - Communication & Presentation Skills (Intermediate)

LANGUAGE

Indonesian Native  
English Basic

TRAINING

- Arduino and IoT Applications (2018)
- Electrical Safety and Maintenance (2018)
- Robotics Design and Fabrication (2018)
- Data Analysis (2021)
- Fundamental Python Programming (2021)

DAVID FERNANDO

Associate Degree in Electrical Engineering at Padang State University

Hello, my name is David Fernando. I am a passionate and hands-on technical professional with solid experience in electrical systems, robotics, and IoT projects. With a background as a laboratory technician, IoT instructor, and robotics mentor, I have successfully guided teams and students to national competitions and awards.

As the founder of DAN Automation, I have also delivered over 50 projects related to Arduino, PLC, IoT, and electrical systems, combining technical expertise with practical problem-solving. I enjoy turning ideas into real solutions and believe my skills and experience can bring value to your company.

EDUCATION

Associate Degree in Electrical Engineering Aug '16 to Oct '20  
Padang State University with GPA 3.20/4.00 in 3 years 2 months

WORK EXPERIENCE

- Laboratory Technician, SMK SMTI Padang Feb 2021 – Jun 2023
- Managed and inventoried over 100 types of tools and materials across two laboratories: PLC and Electrical Lab
  - Provided technical instruction and hands-on practice for students, covering topics from basic operations to occupational health and safety (OHS)
  - Troubleshoot and maintained various electrical equipment including three-phase and single-phase motors, PLCs, smart relays, laptops, and other devices
- IoT Instructor, BPVP Padang Elektronika 2023 – 2024
- Delivered training sessions on Internet of Things (IoT) applications, focusing on practical implementation and industry trends
  - Guided students to develop IoT-based projects, enhancing their technical and analytical skills
- Robotics Mentor 2019 – 2025
- Provided coaching and mentorship for student robotics teams at SMP 24 Padang, MAN Pariaman, and SMK SMTI Padang
  - Helped teams prepare for competitions by improving technical design, programming, and teamwork
- Owner & Project Consultant, DAN Automation 2020 – 2025
- Founded and managed a service and consultancy business specializing in Arduino, PLC, IoT, and general electrical projects
  - Successfully delivered over 50 projects for clients from various industries, ensuring high-quality results and client satisfaction

ORGANIZATION EXPERIENCE

- Robotics Club Member (Mechanic) 2019 – 2020
- Designed and built the robot chassis and frame for competition
  - Collaborated with electronics and programming team to ensure mechanical parts fit functional requirements
  - Contributed to testing and improving robot performance before competitions

ACHIEVEMENT

- Best Design Award at KRI (Indonesian Robot Contest) in Bandar Lampung – with team 2019
- Coach for KKIN (Industrial Automation Competition), achieved 2nd place at regional level and 9th place nationally
- Successfully led and completed over 50 projects for students, university teams, and professionals under my guidance