



NANDI PRABU NUGRAHA

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Jumat No.53 Desa Sukahaji RT.12 RW.06 SUKAHAJI, KAB. MAJALENGKA, JAWA BARAT, 45471

I am an Electrical Engineering graduate from Sriwijaya University with a concentration in Control and Robotics. I have a basic understanding of PLC programming, control systems, and industrial automation, which I developed through internships and research projects during my studies. I enjoy working in team environments, adapt quickly, and am eager to learn. I am interested in exploring opportunities in electrical, robotics, mechanical systems, and automation. I am also open to learning new skills beyond my academic background to support my continuous growth and contribute meaningfully in any professional setting.

EDUCATION

Sriwijaya University - Palembang, Indonesia

Aug 2020 - Aug 2024

Bachelor Degree in Electrical Engineering, 3.72/4.00

- Conduct thesis project: *Implementation of Fuzzy Logic Control Type-2 As Position Control System On An Autonomous Buoy.*

PRACTICAL WORK / WORK EXPERIENCE

PT. Stechoq Robotika Indonesia - Palembang, Indonesia

Jul 2019 - Sep 2019

Internship 3D Design

A training program focused on digital transformation and Industry 4.0, delivered entirely online over 5 months.

- Introduction to 3D animation design for applications in the industrial world.
- This training focuses on the stages of 3D design to create animations that can be implemented in the industrial sector, making it
- Final project: 3D Designing Course for Digital Transformation and Industry 4.0.

PT. Orbit Ventura Indonesia - Jakarta, Indonesia

Aug 2023 – Dec 2023

Artificial Intelligence Student

Training program focused on AI components such as Machine Learning, Natural Language Processing, and Computer Vision.

- Learning about the history of artificial intelligence and the principles of AI as an introduction to the AI domain.
- Learning about concepts in the AI domain such as Machine Learning, Natural Language Processing, and Computer Vision.
- Learning about basic and advanced Python programming.
- Learning about interpersonal skills, work ethics, time management, and business communication. Inspect the conveyor belt system and maintain it so it can work as usual without any issues.
- Practical work Report : Development of Fresh Fruit Clasification Application as a Type Detection Application Fruit

PT. Bukit Asam Tbk – Tanjung Enim, Sumatera Selatan, Indonesia

Jul 2023 – Aug 2023

Internship Maintenance Engineer

PT Bukit Asam Tbk is a company engaged in the coal mining sector.

- Learning about the workings of the Mine Control Center department.
- Learning about the process of excavating coal and loading it onto the train.
- Build and Upgrade Mini Bucket Wheel Excavator Project.
- Building and adding a conveyor system in PLC (Programmable Logic Control) learning kit project and communication system between PLCs.
- Practical Work Report: Kontrol Conveyor Batubara secara wireless dengan memanfaatkan komunikasi antara PLC LOGO! OBA 8 dengan SCHNEIDER M5800.

Admin Project

PT Trembesi Global Energi is a contractor company specializing in building or civil construction.

- Preparing and reporting the salaries of project staff and field workers.
- Compiling weekly expense reports for the project and submitting weekly proposals.
- Organizing documentation for Quality Control inspections.
- Preparing and submitting documents for Quality Control inspections according to the scheduled timeline.

ORGANIZATION EXPERIENCE

Robotic Club – Sriwijaya University

Jan 2022 - Jul 2024

Secretarial, Mechanical, and Electrical Wire

An organization that studies branches of technology such as mechanical engineering, electrical wiring, and robot operation.

- RIMAU Team (Wheeled Soccer Robot).
- Ensuring that items in the robotics section are safe and well-organized.
- Maintaining robot components and planning modifications for the robots to be used, including designing in 3D and implementing the changes.
- Conducting wiring and designing PCB boards for wheeled soccer robots.

Rimau Robotic Contest – Palembang, Indonesia

Dec 2023

Supply and Equipment

A robotics event consisting of sumo robot and line follower robot competitions, as well as an exhibition.

- Ensuring that the items and equipment needed for the event are available..

SKILLS, PROJECT & VOLUNTEER EXPERIENCES

Personal

- Commucation
- Leadership
- Team Work
- Problem Solving

Software

- SolidWorks
- Eagle
- Proteus
- Autodesk Maya
- Blender
- Microsoft Office (Word, Excel, Powerpoint)
- Vijeo Designer
- PLC (Twido Suite, Schneider EcoStruxure Machine, UnityProXI, and LOGO! Web Editor)

Languages

- Bahasa Indonesia(Native)
- English(Limited Working Proficiency)

Projects – Palembang, Indonesia

Oct 2023

Desain Dan Analisis Pergerakan Vtol Pada Fixed Wing Drone

Projects – Palembang, Indonesia

Apr 2023 - May 2023

Creating a PLC learning kit to prototype activating a tank with a valve

Projects – Palembang, Indonesia	Oct 2023
Perbandingan Akurasi Metode <i>Naïve Bayes</i> dan Metode KNN untuk Memprediksi Gagal Ginjal Kronis	
Freelance Projects – Palembang, Indonesia	Apr 2024 - May 2024
<i>Creating an automatic plant watering system based on moisture and temperature sensors powered by solar panels.</i>	
Freelance Projects – Palembang, Indonesia	Dec 2023 - Feb 2024
<i>Creating an IoT-based automatic plant watering system using solar panels as the energy source.</i>	
Freelance Projects – Palembang, Indonesia	Mar 2023 - Apr 2024
<i>Design and Build a Borax detector for food</i>	
Freelance Projects – Ogan Ilir, Sumatera Selatan, Indonesia	Sep 2022 - Nov 2022
<i>Creating an IoT-based greenhouse as an educational tourist attraction in Tanjung Pinang II Village, Tanjung Batu, Ogan Ilir Region.</i>	

LICENSE & CERTIFICATIONS

- **General Occupational Health and Safety (OHS) Expert**
PT. Ajisaka Nusa Ilmu / Minister of Manpower of Indonesia
 - Credential ID : 5/0240120225/AS.01.03/II/2025
 - Credential URL : <https://temank3.kemnaker.go.id/>
 - Valid Untill : lifetime

ACHIEVEMENTS

- Finalist at National Indonesia Robotic Contest (KRI) 2023 : Wheeled Soccer Robot Division
- 3rd Place at Regional I Indonesia Robotic Contest (KRI) 2023: Wheeled Soccer Robot Division
- Presenter at Applicable Innovation and Science Research 15 2023.
- Presenter at Simposium Nasional Elektro Sriwijaya 2022
- Portofolio Link: tinyurl.com/8k8x4rbe