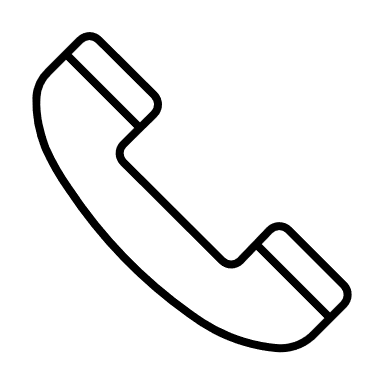
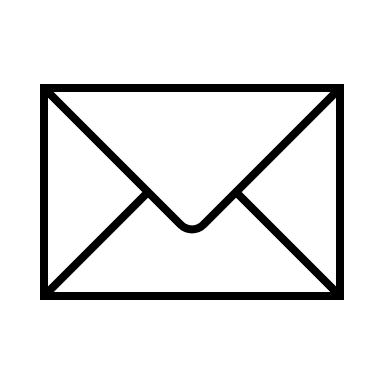
**Naufal Rashad Aryaputra**

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https://www.linkedin.com/in/naufalaryaputra/

**EDUCATION**

GADJAH MADA UNIVERSITY Yogyakarta, Indonesia

*Applied Bachelor of Instrumentation and Control Engineering* Aug 2019 – present

Cumulative GPA: 3.4/4.00

Relevant Coursework: Electrical Engineering, Robotics, Automation

**EXPERIENCES**

PT. Miconos MBKM Yogyakarta, Indonesia

*Intern |* *Medical Device Supplier*  Apr 2023 – Now

* Currently intern for my final thesis.
* Designed and manufactured electronics and control system for heater on tissue

processing device with a target 70% of domestic component level (TKDN).

* Analysed the system feedback control for optimal system configuration.

PT. Stechoq Robotika INTERNSHIP Yogyakarta, Indonesia

*Intern |* *Engineering Consultant Company |*  Jan 2023 – Apr 2023

* Designed and manufactured minimum system electronics board for their product
* Made a control system that can be controlled from HMI with a PID feedback system
* Designed product specifications, documentations, and datasheet.

Malone Groups INTERNSHIP Burton-on-Trent, UK

*Intern |* *Engineering Consultant Company*  Nov 2022 – Oct 2022

* Provided Malone Group pricing and bundling strategy for their IoT system utilizing sensors.
* Working with major companies on UK such as Alton Towers, Smurfit Kappa, and

El-watch sensor to provide solution over their complex problems.

* Planned IoT Sensors features and capabilities based on the customer needs.

PIMNAS 34 Yogyakarta, Indonesia

*Team Leader | National Student Science Week* June 2021- Oct 2021

* Lead team consisting of 4 person to developed a robot to measure floor level with IMU sensor to add more measurements accuracy.
* Designed product specification, brandings, poster and documentations.
* Successfully lead a team start from proposal submission, funding, product development and final presentation.

Gadjah Mada Robotic Team Yogyakarta, Indonesia

*Team Captain | Al-Fatih Four Legged Search and Rescue Robot Division* Jan 2020 – Aug 2022

* Directed 7 team member to collaborate and maintaining team cohesiveness to worked on a four-legged robot to increase its movement speed and better stability.
* Worked specifically on the robot gait, inverse kinematics, algorithms, and LIDAR sensor.

**SKILLS**

Language: Bahasa Indonesia (native) and English (DET Score: 110 equals to IELTS: 6)

Programming Language: C++, Python;

Engineering Software: Fusion360, Eagle, Solidworks, Visual Code, KiCad.

**AWARDS**

IISMA Awardee at Coventry University, United Kingdom.

Finalist of PIMNAS 34

Funded Program Kreativitas Mahasiswa 2021

Qr code

Description automatically generated**PROJECTS EXPERIENCE**

Find me on Github: <https://github.com/naufalra>

Vacuum Assisted Closure project for PT. Stechoq Robotika Yogyakarta, Indonesia

*Hardware Engineer | Medical Device* Jan 2023 – Apr 2023

* VAC is a part of automation in medical devices that being researched by PT. Stechoq
* Responsible for a the electronics system consisting of main board, power, sensor, and

Data acquisition system.

* Created the documents system such as datasheet and materials list of the product.
* For Detailed information: <https://naufalra.github.io/VacuumAssistedClosure_Internship_Pt.StechoqRobotika/>

Automated Hydroponics Container System for PIAT UGM Yogyakarta, Indonesia

*Project Manager | Smart Farming*  Jan 2022 – Mar 2022

* Successfully managed and directed 3 team member resulted in a full-scale product.
* Responsible directly for the automation system and data processing.
* Responsible for non-technical work like patents, cashflow, and technical documents
* For Detailed information: <https://naufalra.github.io/Contagrows-AnAutomatedHydroponicContainerSystem/>

Smart Levelling – Automated Floor Levelling for PIMNAS 34 Yogyakarta, Indonesia

*Team Leader| Automation Device*  Jan 2021 – Oct 2021

* Successfully lead 4 team member resulted as a finalist in PIMNAS 34
* Responsible directly for the measurement and sensory system.
* Responsible for non-technical work like patents, cashflow, and technical documents
* For Detailed information: <https://naufalra.github.io/SmartLeveling-PIMNAS34/>

Smart Levelling – Automated Floor Levelling for PIMNAS 34 Yogyakarta, Indonesia

*Team Leader| Automation Device*  Jan 2021 – Oct 2021

* Successfully lead 4 team member resulted as a finalist in PIMNAS 34
* Responsible directly for the measurement and sensory system.
* Responsible for non-technical work like patents, cashflow, and technical documents
* For Detailed information: <https://naufalra.github.io/SmartLeveling-PIMNAS34/>

Health and Social Distancing Band – Vfactor 2021 Yogyakarta, Indonesia

*Hardware Engineer| Medical Device*  May 2021 – Jul 2021

* During the pandemic, we developed a band that can alert its users to social distancing

as a part of the Covid19 protocol. This device is applied for the VFactor 2021.

* Responsible for the mechanical, electrical system, and documents required
* For Detailed information: <https://naufalra.github.io/HealthandSocialDistancingBand-VFactor2021/>

IRV project for PT. KAI Yogyakarta, Indonesia

*Electronics Engineering | Railway Measurement System*  Jan 2020 – May 2020

* IRV is a smart measurement system for PT. KAI to measure any crack on their railway automatically by using sensors and IoT system with data analysis.
* Developed a full electronics system consisting of gateway, battery, sensor, and

wireless communication system.

* Debugged and trial error the electronics system for a better stability and accuracy.

Smart Leveling – Hibah Kompetisi SV UGM 2019 Yogyakarta, Indonesia

*Electronics Engineering | Railway Measurement System*  Jun 2019 – Nov 2019

* Successfully lead 4 team member resulted as a grand champion in Hibah Kompetisi SV UGM 2019.
* Responsible for product development.
* For Detailed Information: <https://naufalra.github.io/SmartLeveling-HibahKompetisiSV19/>