

ALDI ALFIANDIANSYAH

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I'm Engineer from Engineering Physics, Gadjah Mada University. Currently living in Yogyakarta. With experience in several projects, I have developed a strong interest in the EPC industry, engineering (instrumentation & control, software hardware, and project engineer), technology, and business. Easily adapt to new system/condition, like to learn new stuff, tackle new challenges, and explore new boundaries.

Education Level

Universitas Gadjah Mada - Yogyakarta

Aug 2020 - Jul 2024

Bachelor Degree in Engineering Physics, 3.45/4.00

SMA Negeri 11 Yogyakarta - Yogyakarta

Jul 2017 - Jul 2020

Natural Science

Work Experiences

Permata Graha Nusantara (PGNMA) - Jakarta barat

Aug 2024 - Present

Commercial

Subsidiary Pertamina Gas Negara(PGN)

- Responsible for managing contracts, project budgets, coordinating tenders, supply chain, and project evaluation

Engineering Research Inovation Center Universitas Gadjah Mada - Yogyakarta

Feb 2024 - Present

Project and Control Engineer

- Participate in planning, executing, control and monitoring projects
- Project management
- Responsible for website development (software engineer)
- Analyze operational and financial to following trends
- Learn and development innovative product in the global market

PT. Telkom Indonesia - Bandung, Jawabarat

Nov 2023 - Jan 2024

Telecom, Network, IoT, and Software Engineer

- Development of an IoT- based earthquake early warning system product to improve earthquake disaster mitigation in Indonesia
- Creating an integrated system on the dashboard in real time, collecting radon data using BLE and sending data using LORAWAN to the IoT Platform.
- Fullstack Engineer in making the initial figma design, frontend(HTML, CSS, and JavaScript)and backend(AJAX,MySQL) on the Earthquake Early Warning System.

PT. Kilang Pertamina Internasional Unit VI Balongan - Balongan, Indramayu

Jan 2023 - Feb 2023

Electrical and Instruments Inspection Engineering

- Inspection Planning: Assist in planning periodic inspections involving electrical and instrumentation equipment at Pertamina's facilities.
- Maintenance and Repair: Carry out regular inspections to ensure electrical and instrumentation equipment is functioning properly. If a problem is detected, you will be involved in planning and carrying out the necessary maintenance or repairs.
- Testing and Verification: Perform testing and verification of newly installed or repaired electrical and instrumentation equipment

Organisational, Event, and Volunteer Experience

HackBiz by 180 Degrees Consulting University of Gadjah Mada

Jun 2022 - Aug 2022

Brand Ambassador

180 Degrees Consulting University of Gadjah Mada is UGM branch of the world's largest student-led consultancy for non-profit and social enterprise.

- Promote the brand through personal social media accounts
- Maintaining a positive image of the brand
- Give a special code for the user to get the promo

PPSMB UGM 2022

Mar 2022 - Aug 2022

Logistic dan Consumption

Successful Learner Training for New Students (PPSMB) is a series of annual event involving

the entire UGM academic community to welcome the event new students.

- Organize and manage the food menu and manage the schedule
- Fully responsible for the production of event support equipment
- Manufacture for symbolic ceremonial activities

Gajah Mada Flying Object Research Center

Sep 2022 - Dec 2022

Project Leader

Gajah Mada Flying Object Research Center (GAMAFORCE) is a flying robot team from Gajah Mada University which is engaged in research and development of Unmanned Aerial Vehicles (UAV).

- Prepare design requirements for Open Recruitment GAMAFORCE 2023
- Hold a meeting to monitor progress
- Create a series of events and timeline

Gajah Mada Flying Object Research Center

Dec 2021 - Dec 2023

Media

Gajah Mada Flying Object Research Center (GAMAFORCE) is a flying robot team from Gajah Mada University which is engaged in research and development of Unmanned Aerial Vehicles (UAV).

- Documentation for all activities in GAMAFORCE
- Responsible for social media needs
- Responsible photo and video needs for each subteam in GAMAFORCE

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika

Sep 2021 - Feb 2022

Evaluator at DINAMIKA 2021

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika is an institution under the auspices of the department that accommodates interest, talents, also conveys the aspirations of students.

- Evaluate participants or members in performance in the organization
- Monitor the activities that take place within the organization

Forum Komunikasi Unit Kegiatan Mahasiswa

Sep 2021 - Nov 2021

Championship Division at PORSENIGAMA 2021

A communication forum between Gajah Mada University Student Activity Units (UKM) and has a work program that involves more than one Student Activity Unit.

- Responsible achievements for trophies, medals and certificates in each sport
- Designing awarding medals for several competitions
- Update standings every match

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika

Nov 2021 - Nov 2022

Human Research Development

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika is an institution under the auspices of the department that accommodates interest, talents, also conveys the aspirations of students.

- Provide training and development to all members organization
- Carry out performance evaluations.
- Monitoring the performance of existing divisions

Soulhealer.id

Sep 2021

Publication

Soul Healer is an educational platform engaged in mental health, self-development, and psychology

- Promote the brand through personal social media accounts
- Maintaining a positive image of the brand
- Give a special code for the user to get the promo

Forum Studi dan Diskusi Ekonomi (FSDE)

Aug 2021 - Oct 2021

Brand Ambassador

The Forum Studi dan Diskusi Ekonomi (FSDE) is a series of events presented by Gajah Mada University Economics Students to the community to increase awareness of issues in this country, especially from an economic perspective

- Promote the brand through personal social media accounts

- Maintaining a positive image of the brand
- Give a special code for the user to get the promo

180 Degrees Consulting University of Gadjah Mada
Jun 2021 - Jul 2021

Brand Ambassador

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- Promote the brand through personal social media accounts
- Maintaining a positive image of the brand

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika
May 2021 - Nov 2021

Publication dan Documentation at EPSILON 2021

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika is an institution under the auspices of the department that accommodates interest, talents, also conveys the aspirations of students.

- Publication of posters, banners and posts (social media).
- Take pictures / videos during activities such as exercises, dress rehearsals, and main stages.
- Making and publish event teaser videos

Keluarga Muslim Teknik
Apr 2021 - Dec 2021

Media

Institution that becomes a family forum for the entire Muslim community and Muslim women of the Faculty of Engineering , Gadjah Mada University.

- Responsible for social media needs
- Prepare design requirements
- Documentation several activities in Keluarga Muslim Teknik

PPSMB UGM 2021
Mar 2021 - Sep 2021

Logistics and Consumption

Successful Learner Training for New Students (PPSMB) is a series of annual event involving the entire UGM academic community to welcome the event new students.

- Organize and manage the food menu and manage the schedule
- Fully responsible for the production of event support equipment
- Manufacture for symbolic ceremonial activities

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika
Mar 2021

Documentation at CONSONANCE 2021

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika is an institution under the auspices of the department that accommodates interest, talents, also conveys the aspirations of students.

- Planning a content of social media
- Documenting all series of activities and making documentary videos
- Editing aftermovie activities and live report every eries of events

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika
Mar 2021

Head of Logistics and Consumtion at CONSONANCE 2021

Keluarga Mahasiswa Teknik Nuklir dan Teknik Fisika is an institution under the auspices of the department that accommodates interest, talents, also conveys the aspirations of students.

- Organize and manage the food menu and manage the schedule
- Fully responsible for the production of event support equipment
- Prepare the stage for the opening ceremony CONSONANCE 2021

Project,Skills, Achievements & Other Experience

- **Modular Waste Water Treatment Plant (WWTP):** Development of energy-efficient and efficient WWTP (Waste Water Treatment Plant)
- **Fullstack and Network Engineer Earthquake Early Warning System:** Creating an integrated system on the dashboard in real time (HTML, CSS, JavaScript, AJAX), collecting radon data using BLE and sending data using LORAWAN to the IoT Platform
- **System Telecommunication Integration with Control Room Smart Tourism City using MQTT and GUI:** Create a room control system for making smart city mockups consisting of gas stations, pedestrians, food stalls which are integrated into one unit and can be displayed on a graphical user interface with Python.
- **Camera Streaming ESP32 Integrated BIYNK App:** Stream camera projects using ESP32 with integrated BLYNK App and Arduino IDE with C++.
- **Project Design and Implementation of Distance Estimation and Object Detection Artifical Intelligence on Vehicles with ESP32CAM:** Create an artificial intelligence system using tensor flow by utilizing the ESP32 CAM microcontroller device as well as a

camera on the ESP32 CAM device to detect objects and estimate the distance between the sensor and the object with C++ and Python.

- **RFID System Gate Automatic:** Create an integration system using radio frequency (RFID) by implementing it on the MGS servo in making an automatic gate system with Arduino IDE C++.
- **Semifinalist Petrolida Bisnis Case Competition** 🏆: Society of Petroleum Engineers ITS
- **Predicate Sound Engineering** 🏆: Fakultas Teknik, Universitas Gadjah Mada
- **Practical Work PT Kilang Pertamina International Refinery Unit VI Balongan** 🏆: PT. Kilang Pertamina Internasional RU VI Balongan
- **Internship Internet Of Things PT. Telkom Indonesia** 🏆: PT. Telkom Indonesia
- **Joint Research Early Warning System with Gadjah Mada University and Telkom CorpU on Kedaireka Program** 🏆: PT. Telkom Indonesia
- **Languages:** English (Professional working proficiency) • Indonesian (Native)
- **Soft Skills:** • MS Office (Word, Excel, Power Point) • Adobe (Illustrator, Photoshop, Premier Pro) • Figma • Autocad • Sketchup • Canva
- **Engineering:** • Project Management • Communication • Instrumentation and Control • Network Engineer (MQTT, HTTP, LoRaWAN) • Fullstack (Frontend, Backend) • UI UX Design • Web Development • Python
- **Other:** • Photography • Videography • Graphic Design