



MUHAMMAD REVA ALIEF FATHONI

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Surabaya, East Java, Indonesia

Highly motivated third-year Biomedical Engineering student with a strong passion for artificial intelligence, data science, and robotics. Skilled in problem-solving, critical thinking, and developing innovative tech-based solutions. Eager to apply academic knowledge to real-world projects and continuously learn in dynamic environments. Open to collaboration and actively seeking internship or project opportunities in AI, data, and automation-related fields.

Work Experiences

PT. Miconos - Indonesia

Jul 2024 - Dec 2024

RnD Support Engineer

PT Miconos is a Manufacturer and Provider of Laboratory Equipment / Instrumentation for both School, University and Hospital laboratories. Our HomeBrand products in the Histology Field are Cameras for Microscopes with the OptiLab Brand and Microscope preparation / preparation making equipment, namely Tissue Processor and Microtome with the KEDEE Brand.

- Conduct research on Electrosurgical unit hardware
- Design an electrosurgical unit circuit in monopolar and monopolar mode in Proteus and Arduino softwares
- Engineer support Assemble binocular microscope

Badan Riset Inovasi Nasional - Indonesia

Jan 2024 - Feb 2024

Support Engineer Internship

BRIN is tasked with monitoring, controlling, and evaluating the implementation of the duties and functions of the Regional Research and Innovation Agency (BRIDA) in accordance with the provisions of laws and regulations.

- With the team to create an electrical muscle stimulation hardware circuit in Proteus and Arduino softwares
- Support engineer to literature study about hardware of electrical muscle stimulation circuit

Data Cerdas Nusantara - Indonesia

Jan 2023 - Jan 2024

Data Analyst Internship

Data Cerdas Nusantara was a company provide services to client about data for business analysis, campaign executive plan, and evaluation to get a better project for our client.

- Provides services to analyse business fundamentals in data

Education Level

Airlangga University - Surabaya, Indonesia

Aug 2021 -

Undergraduate Biomedical Engineering, 3.57/4.00

- 4th winner of the Sumatera Utara University Wevolve Essay Contest 2022
- 1st place of the FKG Airlangga University STEROID scientific writing competition 2022
- Master of Ceremony SINAPSIS 2022
- Healthy-spinal nerve disease detection investigators 2022
- Finalist essay competition of Integration FTP Brawijaya University 2022

MATIQ Isykarima - Karanganyar, Indonesia

Jul 2017 - Jun 2021

Senior High School, An Islamic boarding school for boys majoring in Mathematics and Natural Sciences whose main target is to produce a cadre of hafizh dai mujahid. It is required that students who attend school there have hafizh 30 juz when they graduate.

- Secretary of OSIS MATIQ Isykarima
- SAPALA KAHADMUFISA Basic Trainer Staff
- Talim Choir of Kurahan Village
- Completed memorizing 30 juz

SMP Arrohmah Putra Boarding School - Malang, Indonesia

Jun 2014 - Jun 2017

High School A well-known male-only boarding school in the province of East Java, producing young scientists and noble character.

- Finalist Mathematic Competition Fakhruddin Ar-Razi Head of the Language Division Imaaratu Syuuni Thalabah Hidayatullah Syuro Council Imaaratu Syuuni Thalabah Hidayatullah
- 1st place most Quran memorization

Organisational Experience

Unit Kegiatan Mahasiswa Tahfizh Al-Qur'an - Surabaya, Indonesia

Nov 2023 - Nov 2024

Vice Chairman

a forum that has the main function of facilitating the memorization of the Al-Qur'an by Airlangga University students

- With the chairman to harmonise the work programme and become a protector in the management of the board, impacting 100+ students
- Provides a tahfizh programme to strengthen students' memorisation.

Remaja Masjid Ulul Azmi - Surabaya, Indonesia

May 2023 - May 2024

Chairman

Airlangga University student organization devoted to prospering the Ulul Azmi Mosque which is located on Campus C of Airlangga University through several excellent programs such as studies and serving congregations

- Held Islamic programmes to prosper the campus mosque such as studies and takjil Monday-Thursday, impacting 5000+ airlangga academicians
- Initiated the ulaz care programme in the form of mass circumcision, check-ups, and free eye examinations for residents around the ulul azmi mosque with the medical faculty of airlangga university, impacting 100+ people.

LPM FORMAT - Surabaya, Indonesia

Mar 2023 - Mar 2024

Vice Chairman

Student press agencies are media groups managed by students, generally operating within universities. The publications displayed usually cover issues at the relevant tertiary institution or local issues, but can also cover national or international issues.

- Together with the chairman, formulated work programmes and maintained the smooth running of the organisation, impacting 50+ students.

Aktivis Salman Surabaya - Surabaya, Indonesia

Jan 2023 - Jan 2024

Chief of Internal

a community engaged in the field of cadre development and social projects that aim to create harmony between communities

- Became a bridge between the central board of salman activists and the region, especially Surabaya, impacting 300+ students
- Providing internal programmes as a means of bonding and strengthening member ties, impacting 100+ students

Himpunan Mahasiswa Teknik Biomedis - Surabaya, Indonesia

Jan 2021 - Jan 2022

Staff PSDM

a student association that bridges biomedical engineering students to develop, improve soft skills and hard skills, and accommodate their talents and interests

- Responsible for handling student resource management specially for biomedical engineering students, impacting 200+ students
- Person in charge of the internship programme of the association, impacting 100+ students

YPM SALMAN ITB - Bandung, Indonesia

Jan 2022 - Feb 2022

Steering Committee of Mentor Academy 7.0

Preparatory training to become a useful mentor

Discuss with a team to determine the concept so that the event runs interesting

Guide the course of the event so that it runs well

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- Discuss with a team to determine the concept so that the event runs interesting
- Guide the course of the event so that it runs well

OSIS MATIQ Isykarima - Karanganyar, Indonesia

Aug 2019 - Apr 2020

Secretary

OSIS (Intra-School Student Organization) is a student organization that is in the school environment. to train students in organizing properly and carrying out school-related activities with students.

Ta'lim Desa kurahan - Karanganyar, Indonesia

Feb 2018 - Feb 2019

A Chief

organization that oversees the issue of qur'an reading training and studies held in the village of Kurahan

Skills, Achievements & Other Experience

- **Achievements** (2019): 30 Juz diploma certificate
- **Projects** (2020): Osis Matiq Isykarima social service event staff
- **Soft Skills** (2021): TB Cup equipment choir
- **Soft Skills** (2021): Salman Spiritual Class 31 Participant
- **Achievements** (2022): Finalist essay competition of Integration FTP Brawijaya University
- **Achievements** (2022): 1st Winner of FKG Airlangga University STEROID Scientific Writing Competition
- **Achievements** (2022): Contender winner of the Sumatera Utara University Wevolve Essay Contest

- **Soft Skills** (2023): Faculty LKMM TM delegates
- **Achievements** (2023): One-sitting 15 Juz Quran recitation test
- **Achievements** (2024): Young imam salman scholarship awardees
- **Hard Skills** (2024): Bangkit Machine Learning Cohort Academy led by Google, Tokopedia, Gojek, & Traveloka
- **Soft Skills** (2022): Rumah Kepemimpinan Surabaya 11th Batch