



MUTIAH ARINIL FAYZA NUSAR

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Makassar, Indonesia

Currently seeking a Data Science or AI Research internship to apply my technical foundation in machine learning, statistical analysis, and computer vision. I aim to leverage my analytical skills and dedication to contribute to data-driven solutions while growing as a future-ready technology professional

Education Level

Universitas Hasanuddin 🇮🇩 - Makassar, Indonesia

Aug 2023

Undergraduate My technical foundation includes core computer science principles such as algorithms, data structures, and database management, which I now apply to more complex areas like Artificial Intelligence and Computer Vision. I rely on a strong academic background in probability, statistics, and linear algebra to approach data-driven problems analytically. Beyond coding, my experience as a Teaching Assistant and my involvement in technical organizations have shaped my ability to communicate complex ideas and work effectively within a team., 3.74/4.00

Experiences

Department of Informatics Engineering - Gowa, Indonesia

Jan 2025 - Present

Teaching Assistant

The Department of Informatics Engineering focuses on education, research, and community engagement in computer science and technology. It provides a strong academic foundation in software engineering, data science, artificial intelligence, and information systems, while also encouraging innovation, problem-solving, and collaboration between students, faculty, and industry partners.

- Assisted the Head of Informatics Engineering Department in preparing teaching and workshop materials (PowerPoint presentations, learning modules, and technical documentation).
- Supported community service and research activities by drafting proposals, coordinating administration, and facilitating project execution.

Red Campus Futurist Informatics Competition - Makassar, Indonesia

Nov 2024 - Apr 2025

Staff of Relation Division

RECURSION (Red Campus Futurist Informatics Competition) is a national-level IT competition organized by the Informatics Student Association of Hasanuddin University (OKIF FT-UH). Carrying the theme “Transforming Tomorrow: Innovative Digital Solutions for a Smart, Sustainable, and Secure World”, the competition aims to challenge Indonesian students to design futuristic technological solutions through digital innovation.

The competition features several categories, including Competitive Programming, Capture The Flag (CTF), ICT Business Plan, and UI/UX Design. In addition to the competition, RECURSION also hosts a seminar on strategies for building a sustainable IT career.

- Managed public communication and branding strategies for RECURSION 1.0, ensuring consistent promotion across multiple media platforms and successfully attracting nearly 1,000 participants nationwide.
- Handled inquiries and provided information services while maintaining a professional image of the competition.

Student Innovation Competition in Climate, Energy, and Sustainability (SICLUS) - Makassar, Indonesia

May 2024 - Sep 2024

Staff of Competition Division

The Student Innovation Competition in Climate, Energy, and Sustainability is an annual event organised by the Society of Renewable Energy (SRE) at Hasanuddin University aimed at promoting awareness of climate issues and their solutions to the public particularly university students at international level.

- Engaged in cross-functional team discussions with seven members to design and refine study case scenarios tailored for participant evaluation.
- Oversaw official communication streams by dispatching confirmation emails, announcements, and event updates to team leaders of three-person participant groups, managing all interactions through the SICLUS official email channel.

Hey Youth! - Indonesia

Mar 2024 - Jul 2024

Partnership Division Staff

Hey Youth! is a non- governmental not-for-profit organization Our organization consists of young.

- Established strategic media partnerships on Instagram to boost event visibility and participant registration, while also managing the customization of seminar certificates with precise participant and speaker details for professional distribution.

Student Council (OSIS) SMAN 1 Maros - Maros, Indonesia

Oct 2020 - Jun 2021

Secretary of Academic, Art, and Sport Achievement Department

- Student Council serve as formalized student representatives, employing organizational and leadership skills to enhance school culture through event planning, effective communication, and collaborative solutions to address SMAN 1 Maros student needs and concerns.
- Successfully take responsibility for managing and coordinating one big event and 3 programs in collaboration with 10 departments and external parties.
 - Manage announcement, awarding, and documentation of achievements attained by students.

Germany Extracurriculars (Deutschpaß) - Maros, Indonesia

Nov 2020 - Jun 2021

- Chairperson
- Deutschpaß is an organization that aims to be a place for SMAN 1 Maros students to implement and improve their skills in the field of Germany.
- Take responsibility for managing and coordinating 3 programs, encompassing internal and external initiatives, in collaboration with 4 departments.
 - Lead cross-functional teams of 32 individuals, including steering committees, staff, and members, ensuring effective communication and collaboration.

Organizational

WELCOME09 SMFT UH - Gowa, Indonesia

Dec 2024 - Present

- HRD Member
- WELCOME09 is a student activity unit under the Faculty of Engineering Student Senate at Hasanuddin University. The organization focuses on enhancing foreign language proficiency among engineering students by providing training, workshops, and open house activities. WELCOME09 serves as a platform for students to develop communication skills, broaden cultural understanding, and prepare for global academic and professional opportunities.
- Coordinated open recruitment processes for new members, including promotion, application screening, and communication with applicants.
 - Assisted in organizing open house events to introduce the organization and engage with prospective members.

Coder Institute - Gowa, Indonesia

Feb 2024 - Present

- IoT Member
- Coder Institute is a technology-focused student community under the Informatics Student Association at the Faculty of Engineering, Hasanuddin University. The organization regularly conducts seminars, workshops, and interactive content sharing on modern technology topics, such as Artificial Intelligence, Internet of Things (IoT), Web Development, Mobile Development, and UI/UX Design. Its mission is to bridge academic knowledge with practical industry insights and foster student engagement with cutting-edge technology.
- Created IoT quiz content on Coder Institute's official Instagram account to engage followers and promote learning in a fun, interactive format.

Expedite (EXP) - Indonesia

Jan 2024 - Jul 2024

- Mentee Batch I
- A 6-month program designed to 'expedite' the development of first and second-year students to unlock their potential. In addition to our comprehensive webinar and mentoring programs we offer engaging side activities for your participation after joining as a mentee.
- Engaged in structured webinars and one-on-one mentoring to hone industry-relevant skills and insights.
 - Actively participated in a variety of supplementary activities, designed to deepen my professional acumen and foster hands-on experience, maximizing the impact of the mentorship journey.

Unhas Basketball Team (UKM) - Gowa, Indonesia

Nov 2023 - Apr 2024

- Member
- The Basketball Student Activity Unit (UKM Bola Basket) of the Faculty of Engineering, Hasanuddin University, regularly organizes training sessions and hosts basketball tournaments, including the well-known Red Campus competition, which gathers teams from various faculties. With multiple achievements in inter-faculty tournaments, the organization serves as a platform for student development in both sportsmanship and teamwork.
- Participated in weekly basketball practice sessions, focusing on teamwork, discipline, and physical endurance.

Projects and Achievements

- **Headlight Detection System | Python, YOLOv9, Computer Vision** (2025): Implemented object detection using the YOLOv9 architecture to identify vehicle headlights. Focused on data preprocessing and model inference for automotive safety applications.
- **MNIST Image Classification | Python, TensorFlow, CNN** (2025): Developed a Convolutional Neural Network (CNN) to classify handwritten digits with high accuracy. Analyzed model performance and optimized hyperparameters using the TensorFlow framework.
- **Park Simulation (Agent-Based Modeling) | Python** (2025): Designed a simulation to model complex interactions within a park environment. Applied computational logic to analyze emergent behaviors in a simulated system.
- **Sangat Unggul (Very Proficient) Proficiency - UKBI** (2025): Achieved a score of 708, demonstrating mastery in Indonesian professional communication.

- **High English Proficiency - TOEFL/EPT** 🏆 (2024): Achieved a score of 597, reflects a solid foundation in English, enabling me to effectively engage with international academic resources and AI research papers.
- **Pekan Ilmiah Mahasiswa Teknik (PIMTEK)** 🏆 (2023): Achieved 2nd Place in the Karsa Cipta Scheme
- **German Language Competition for Highschool** 🏆 (2020): Win the second place for Cerdas Cermat competition branch.