



Tajri Ramal Muzi

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<https://github.com/tajri15/> | <https://tajri15.github.io/>

Jl. Dengkeksari 04, Kec. Tembalang, Kota Semarang, Provinsi Jawa Tengah

SUMMARY

An Electrical Engineering graduate from Diponegoro University (IT Concentration), driven and eager to keep learning. Passionate about solving problems and building impactful tech solutions. Experienced in full-stack development through academic and internship projects, including a campus security system and an inventory management system at Telkom Indonesia. Strengthened technical and analytical skills through national programs in machine learning (Bangkit Academy) and data analytics (Karier.mu). Confident working independently or in teams with a solid foundation in software engineering and real-world implementation.

EDUCATION

Universitas Diponegoro

Aug 2021 – Aug 2025

Bachelor of Electrical Engineering (GPA: 3.61)

- Thesis: Development of Personnel Tracking and Face Detection Features for the SiAmalin (Integrated Environmental Security System) Android Application.

SMAN 1 Kota Pariaman

Jul 2018 – Jun 2021

Top 10 Student of Natural Science Major.

WORK EXPERIENCE

Software Engineer | Nuctech Company Limited (Branch Semarang)

Sep 2025 – Nov 2025

(Contract, 3 months)

- Designed and implemented automation tools to optimize data processing and report generation workflows.
- Developed interactive web dashboards to monitor system performance and operational data in real time.
- Collaborated with the inspection and IT teams to ensure system reliability, data accuracy, and ease of use in daily operations.

Data Analyst | Karier.mu

Sep 2024 – Des 2024

Independent Study Program Certified at Merdeka Campus

Acquired core data analytics skills, covering business question formulation, data preparation, and practical statistics. Developed strong proficiency in data extraction and manipulation using SQLite and Python, alongside creating impactful data visualizations with Tableau. This expertise culminated in a final project where user interest patterns were analyzed to enhance platform user experience.

Machine Learning Cohort | Bangkit Academy

Feb 2024 – Jul 2024

(led by Google, Tokopedia, Gojek, & Traveloka)

Independent Study Program Certified at Merdeka Campus

Developed expertise in Machine Learning and Deep Learning concepts including TensorFlow Developer Professional Certificate and Applied Machine Learning Intensive. Developed practical skills in IT automation with Python, TensorFlow Data, and cloud deployment. Successfully built and implemented the "Kenyang" Capstone Project leveraging TensorFlow, CNN, and Google Cloud to address food waste. Enhanced English communication, initiative, and problem-solving skills, preparing for tech industry roles.

Student Internship

- Designed, developed, and implemented an internal inventory management website using Python, Flask, and SQLAlchemy. This project significantly improved asset tracking and administrative efficiency.
- Developed a secure user authentication system using Flask-Login and password hashing to ensure only authorized users can access and modify data.
- Managed the project codebase using Git for version control and built a responsive and interactive frontend with HTML, CSS, JavaScript, and Bootstrap 5.

ORGANIZATIONAL EXPERIENCE**Information Technology Concentration Bureau (BKTI)***Jun 2024 – Jun 2025**Vice-Chairman of the Media Division*

- Managed Co-managed the bureau's social media platforms, developing content strategies to increase student engagement.
- Designed promotional materials, including digital flyers and announcements for workshops, webinars, and training sessions.
- Collaborated with the Head of Division to plan the content calendar and coordinate tasks among division members.

Kuliah Kerja Nyata (KKN) - Desa Sewu, Solo City*Jan 2025 – Feb 2025**Documentation and Media Coordinator (PDD)*

- Managed comprehensive documentation of all KKN activities, ensuring accurate and detailed records of community engagement and project progress.
- Created and edited engaging content for social media
- Utilized photography and videography skills to capture key moments, supporting transparent reporting and community outreach initiatives.

Electrical Engineering Student Association (HME) UNDIP*Aug 2023 – Mar 2024**Secretary of Social and Community Division*

- Managed all administrative tasks for the Social and Community Division (SOSMAS) work programs.
- Collaborated with colleagues on proposal development and budget preparation for social and community initiatives.
- Facilitated communication and coordination between the division and external stakeholders, ensuring successful program execution and community engagement.

Al - Muhandis Electrical Engineering*Aug 2023 – Mar 2024**Head of the Economics and Business Division*

- Developed and implemented work programs for the entire leadership term.
- Coordinated all division members to ensure successful execution of economic and business work programs.
- Successfully managed resources to support various economic and business-related activities and events.

Electrical Workshop (EWS)*Aug 2023 – Jul 2024**Manager for Electrical Workshop's Media*

- Managed and enhanced EWS's brand presence, overseeing promotional activities to boost visibility.
- Directed all social media accounts for EWS, curating content to engage the audience and amplify key messages.

ADDITIONAL**Technical Skills**

: Microsoft Word, Microsoft Excel, Microsoft Power Point

Soft Skills

: Strong Analytical, Teamwork, Communication, Critical Thinking, Problem Solving

Languages

: Fluent in Indonesian, Proficiency in English (TOEFL SEU UNDIP = 669)