



NAUFAL RAIHAN SAPUTRA

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West Jakarta, DKI Jakarta

Electrical Engineering student with strong interests in AI-driven systems, energy technologies, and intelligent web applications. Experienced in developing machine learning-based evaluation systems and production-ready websites, with a focus on problem-solving, system design, and cross-disciplinary collaboration.

Education Level

Institut Teknologi Perusahaan Listrik Negara - West Jakarta, DKI Jakarta

Aug 2024

Bachelor of Electrical Engineering, 3.84/4.00

- Laboratory Assistant
- Students with Employment Agreement PT.PLN(Persero) - ITPLN 2024
- LKMM Pra-TD X Energize 2024

Institut Teknologi Sepuluh Nopember - Surabaya, East Java

Jul 2024 - Aug 2024

Bachelor of Telecommunications Engineering

Work Experiences

Smart Electronic Systems Laboratory (SESL) - West Jakarta , DKI Jakarta

May 2025 - Present

Laboratory Assistant

- Developed an Automatic Grading System using Retrieval-Augmented Generation (RAG) and BERT-based models, automating the evaluation of >100 student answers per session.
- Built a web-based learning platform supporting 20–40 active students per laboratory cycle for materials access and assessments.
- Integrated NLP-based evaluation, reducing manual grading workload by 60–70% and improving assessment consistency.
- Improved grading turn around time from hours to under 10 minutes per session

Yoenrattan - Bekasi, West Java

Nov 2025 - Present

Web Developer

- Developed and maintained the official website for Yoenrattan.com, focusing on performance, responsiveness, and usability.
- Collaborated on website structure, content integration, and feature implementation.
- Delivered a production-ready website for a real client with end-to-end deployment.

Skills, Achievements & Other Experience

- **Interest** (2025): Machine Learning (LLM, Retrieval-Augmented Generation, NLP) , Applied AI in Education & Engineering Systems and Intelligent Web Systems
- **Hard Skills** (2024): Web Developer (HTML, CSS, JavaScript Web Development & Deployment API Integration),
- **Hard Skills** (2024): Programming & Data Python, C/C++ Data Analysis & Data Science Machine Learning Fundamentals
- **Hard Skills** (2025): Electrical & Engineering Electronic Fundamentals Circuit Analysis Multisim NI, Proteus
- **Modules Taken** 🎓 (2024): TOEFL iBT