

Rayhan Firdaus Ardian

Sleman, Yogyakarta • +62 87810800717 • rayhanardian045@gmail.com • linkedin.com/in/rayhanardian0705
• github.com/HappyRehund

EXPERIENCE

2025-Present **GELANGGANG EXPO UGM 2025**

Sleman, Yogyakarta

IT Division – Frontend Web Developer

- Built the **Geleverse mini-game** and an interactive “UKM Apakah Aku?” quiz page using **Next.js**, **TypeScript**, **React**, and **Tailwind CSS**, architecting all UI as modular, reusable components.
- **Framer Motion** animations library is used for smooth state transitions between quiz questions and results.
- Optimized asset delivery by converting images to **WebP** and applied **React hooks** (useMemo, useCallback) to reduce render overhead and improve load performance.
- Collaborated closely with UI/UX designers (Figma) and other Frontend teammate, managing code via **GitHub** and a **Kanban** workflow to ensure on-time feature delivery.

2025-Present **SOFTWARE ENGINEERING & DATA LABORATORY 2025**

Sleman, Yogyakarta

Research Project (Ongoing – Cybersecurity RAG Evaluation)

- Implemented a **Multi-Agent RAG system** using **LangChain**, **OpenAI LLMs**, and three graph-based backends: **Neo4j (Cypher)**, **Neo4j + Vector Search**, and **GraphDB (SPARQL)**.
- Designed an evaluation pipeline comparing each agent’s response accuracy on 5 complex cybersecurity queries, using **MITRE ATT&CK** as ground truth reference.
- Conducted ongoing evaluation under lecturer supervision to determine which backend minimizes hallucination in cyber-threat detection tasks.

Community Engagement MTA Gunung Kidul

- Designed and deployed a **Looker Studio dashboard** to visualize attendance data across **14 MTA branches**, helping local organizers track participant distribution during “pengajian”.
- Integrated the dashboard with **Google Sheets** to display real-time attendance from digital forms; supported **16+ attendees** during launch day.
- Introduced **data visualization concepts** to non-technical community stakeholders, aiming to increase awareness of data-driven insights in underdigitized regions.

2024-Present **OMAHTI**

Sleman, Yogyakarta

Instructor Class Web Developer at OmahaTI Academy Event (2025)

- Designed and delivered a **6-day, 12-hour** Web Developer bootcamp for **30** participants, covering HTML5 semantics, CSS fundamentals, JavaScript & DOM, and React.
- Authored **4 comprehensive modules** (>200 pages) on HTML, CSS, JavaScript, and React concepts—creating clear, structured materials for theory and hands-on practice.
- Led interactive live-coding sessions via **VSCoDe Live Share** and **Zoom**, guiding students through building a complete React/Tailwind to-do app and final portfolio project.
- Prepared and provided **Figma-based final project** guidelines, enabling all participants to design and implement creative, production-ready portfolio sites.
- Delivered targeted Q&A support—resolving 6+ individual queries and fostering peer discussion in a dedicated group—to ensure 100% of attendees met learning objectives.
- Collaborated with the event and academic teams to align curriculum, schedule, and assessments, ensuring smooth execution and high participant engagement.

2024

MALPRES MIPA 2024

Sleman, Yogyakarta

IT Division – Frontend Web Developer

- Developed and deployed the **Next.js** landing page and nomination/voting platform—handling **Vercel** deployment and custom domain setup (malpresmipa2024.com).
- Built an interactive nomination list with **Google Sheets API** integration, enabling **469+ FMIPA members** to cast votes seamlessly.
- Collaborated with UI/UX designer and backend engineer (Next.js API routes) using **GitHub** and **Figma**, aligning design and data flow for a cohesive product.

- Took ownership of critical path tasks—domain registration and deadline coordination—delivering the platform on time despite a tight schedule.
-

EDUCATION

2023-Present **UNIVERSITY OF GADJAH MADA** Sleman, Yogyakarta
Undergraduate Computer Science Student, GPA 3.81/4.0

- Relevant coursework: Software Engineering Methods; Scalable Software Development; Software Design Implementation Workshop; Cloud Computing; Databases; Algorithms & Data Structures
-

COURSES

THE WEB DEVELOPER BOOTCAMP
74 Hours, Udemy – Colt Steele

- Certificate No: UC-3510ecac-63fb-428e-8706-3ed76fe951f8
-

OTHERS

- Languages : Indonesian (Native), English (Fluent)
- Programming Languages: JavaScript, TypeScript, Golang, Java
- Domains : Software Engineering