

# MUHAMMAD TOHIR RAFLY

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A driven Information System graduate who completed a rigorous degree program in 3.5 years. Gained hands-on experience in application development and design through collaborative research projects with university lecturers. Skilled in coding, UI/UX design, and teamwork with a proven ability to balance multiple priorities and meet tight deadlines. Eager to contribute my technical expertise, collaborative spirit, and passion for innovation to a forward-thinking organization where I can continue to grow and make a meaningful impact.

## Work Experiences

**PT Bank Central Asia, Tbk.** Jan 2024 - Jul 2024

*Front End Developer Internship*

- Led the end-to-end redesign and redevelopment of a Web Shell App, a critical interface for collaboration partners to test API products for a 6-month period.
- Transitioned the project's UI framework from Bootstrap to Material UI, modernizing its design, improving user experience, and aligning it with the organization's standards for microservices architecture within 1 month.
- Successfully implemented containerization using Podman Desktop and Red Hat OpenShift Container Platform, ensuring scalability, portability, and efficient integration into the microservices ecosystem.

**Tarumanagara University - Jakarta, Indonesia** Aug 2023 - Dec 2023

*Front End Programming Lab Instructor*

- Trained and guided 58 computer science students in essential web development languages, including HTML, CSS, and TypeScript
- Implemented a hands-on learning approach through collaborative modules, ensuring students gained practical experience and real-world web development skills with 90% of satisfactory score.

**Tarumanagara University** Aug 2023 - Dec 2023

*Web Development Lab Instructor*

- Delivered comprehensive UI/UX design training to 125+ students from diverse faculties, gained 85% satisfaction from the students.
- Mentored project teams in collaborating directly with SMEs, showcasing innovative web solutions tailored to various industries through real-world applications.

**SYNRGY Academy - Jakarta, Indonesia** Nov 2021 - Jun 2022

*Front End Developer Apprenticeship*

- Selected as a scholarship recipient for the prestigious SYNRGY Academy Bootcamp, showcasing excellence in technical aptitude with 87/100 final score.
- Acted as the Team Lead for Front End Developers in the final project, coordinating team efforts, ensuring project deliverables, and managing integration with backend services.

## Education Level

**Universitas Tarumanagara - Jakarta, Indonesia** Aug 2021 - Jan 2025

*Bachelor of Information System, 3.99/4.00*

- Awarded 2nd Best Thesis for outstanding research and contribution in the field of computer science.
- Swept all categories in the Festival Humaniora 2023, securing 1st and 2nd place awards across three categories: Video, Poster, and Karya Tulis Ilmiah (Scientific Writing).
- Contributed to two high-impact research projects as an assistant, playing a key role in the design and development of apps through multidisciplinary research approaches.

## Organisational Experience

**DPM News 2023** May 2023

*Podcast Talent*

- Crafted insightful questions about IT career prospects and invited industry experts and FTI Untar representatives to provide valuable perspectives for the audience.
- Facilitated engaging discussions, effectively bridging academia and industry, while delivering content that inspired and informed listeners about potential career opportunities.

**BEM FTI Untar** Jun 2022 - Nov 2022

*Proactive Young Members*

- Actively contributed to multiple projects within the Student Executive Board (BEM) at FTI Untar, taking on roles across various divisions

to support and execute key initiatives successfully.

- Appointed as a midterm and final exam syllabus instructor for the Database System course, guiding 40+ first-semester students by reviewing key materials and delivering content to enhance their understanding and exam preparedness.

## Skills, Achievements & Other Experience

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- **Achievements** 🏆 (2024): 2nd Best Thesis Award - Tarumanagara University
- **Achievements** 🏆 (2024): Presenter at International Conference on Information Technology, Systems, and Innovation (ICITSI) 2024
- **Achievements** 🏆 (2024): Author at International Conference on Information Technology, Systems, and Innovation (ICITSI) 2024
- **Projects** (2023): Eksplor Laweyan UI/UX Design (Digitalization of Laweyan's Cultural Landscape in Surakarta)
- **Projects** (2023): VICARA 3.0 UI/UX Designer (Augmentative and Alternative Communication Mobile Application for Autistic Children with Speech Difficulties)
- **Projects** (2022): Evanindo Wisata (Colorlib's Travelo Mockup) Web Development