

MUHAMMAD GHIFFARI

FULL-STACK DEVELOPER | RESEARCH & TECHNOLOGY ENTHUSIAST

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SUMMARY

Information Technology student at President University with strong interest in software development and research-driven innovation. Skilled in full-stack development, real-time systems, and user-focused design. Experienced through academic projects and internship in building practical solutions that support education and digital learning. Motivated to keep learning, collaborate with diverse teams, and contribute to technology communities on campus.

PROFESSIONAL SKILLS

Web & Application Development

- Full-Stack Development (Laravel, PHP, MySQL, JavaScript, React.js, TailwindCSS)
- Real-Time System Architecture (WebSockets, Queue System)
- QR Code Integration for POS and Attendance Systems
- E-Learning Platform Customization (Moodle, H5P, .GIFT format)

UI/UX Design & Visual Communication

- Wireframing & Prototyping (Figma)
- Branding & Visual Design (Canva, Adobe Illustrator)
- Responsive & Accessible Design
- Usability Testing & User Journey Mapping

Digital Communication & Public Relations

- Social Media Strategy & Digital Campaigns
- Content Creation (Video Editing, Copywriting, Graphic Design)
- Event Coordination & Community Engagement
- Public Speaking & Stakeholder Communication

Project Management & Collaboration

- GitHub Flow & Agile Development Workflow
- Leadership & Team Coordination
- Time Management & Problem-Solving
- Critical Thinking & Decision Making

TECHNICAL SKILLS

Core Development

- Laravel, PHP, Python
- JavaScript (ES6+), React.js
- MySQL (Schema Design & Security)
- WebSockets, Queue System

Supporting Tools

- WordPress, Moodle, H5P
- Git, GitHub, VS Code
- Figma, Adobe Illustrator, Canva

PROFESSIONAL EXPERIENCE

Internship, Center of e-Learning, IMERI FKUI

Oct 2024 - Mar 2025

- Built and optimized the official company profile website using WordPress and Figma.
- Developed a Real-Time Thesis Title Selection System with countdown timer, activity log, and admin dashboard using Laravel 12, Livewire, WebSockets, and MySQL.
- Designed FemmeSight, an assistive application for visually impaired women, from wireframe to prototype.
- Produced and designed a complete annual content strategy and templates for the cluster's Instagram, delivering 30+ branded post designs to maintain consistent social media engagement.
- Designed presentation templates for lecturers, improving the consistency and visual quality of academic materials.
- Produced educational videos, podcasts, and animations for public health campaigns, reaching 1,000+ viewers.

- Supported events such as 8th Open Innovation IMERI and E-Learning Awards, contributing to event logistics and branding.

PROJECTS

POS Application with QR Code Integration

- POS Application with QR Code Integration (Laravel 11, Livewire 3, MySQL, TailwindCSS)
- Designed and developed a Point of Sale (POS) system with automatic product code generation and QR code scanning, reducing transaction time by 30%.
- Features include real-time transaction tracking, cashier opening/closing balance system, and discount management linked directly to sales price.
- Optimized for seamless use in retail environments with responsive UI and secure role-based access control.

QR Code Attendance Application

- Created a real-time attendance tracking system with QR technology for secure validation and reporting.

Real-Time Thesis Title Selection System (During IMERI Internship)

- Enhanced transparency and efficiency of academic processes through a live countdown system, activity logs, and admin dashboard. Implemented real-time selection workflows to prevent conflicts and ensure fairness in thesis title assignments.

Design Systems for Digital Campaigns (During IMERI Internship)

- Planned and produced visual templates for Instagram and academic presentations, supporting consistent branding across social media and academic events. Designed over 30+ assets to boost engagement and improve material quality.

EDUCATION

Bachelor of Science in Information Technology (Expected Graduation: 2028) Sep 2025 - Sep 2028

President University

- Relevant coursework: Web Programming, Database Systems, UI/UX Design, Project Management.

Vocational High School Diploma in Software Engineering (RPL) Jul 2019 - Apr 2025

SMKN 40 Jakarta

- Specialized in full-stack development and database management.
- POS Application with QR Code Integration – Built a cashier system with automatic product code generation and QR scanning.
- QR Code Attendance Application – Developed a real-time attendance tracking system with secure QR validation.

ADDITIONAL INFORMATION

- **Languages:** Bahasa Indonesia (Native), English (Pre-Intermediate A2–B1)
- **Certifications:** AWS C4 Cloud Computing Club Competition – Grand Finalist (Regional DKI Jakarta), IBM Granite AI (Data Classification and Summarization, Code Generation and Optimization), BNSP Junior Programmer Certification (In Progress), PKL Certificate – IMERI FKUI (Predikat Sangat Baik), Hacktiv8 Technical Workshop – Cybersecurity & Full-Stack Development, Xcelerate Seminar Cyber Security – COMPFEST 17 (2025), DevCoach 206 – Machine Learning: Deep Learning Customization & Time Series Forecasting, Telkom CyberFest Vol.2: Cyber Showdown – Hack The Web or Hold the Line (2025), Data Classification & Summarization (Outstanding Performance) Issued by Hacktiv8 Indonesia & IBM SkillsBuild | (2025).
- **Awards/Activities:** Best Internship Performance – IMERI FKUI (2025), 8th Open Innovation IMERI Volunteer (2024), E-Learning Awards Contributor (2024), Health Campaign Content Creator – Kaliabang Community Service (2024).