



# Muhammad Delfa Tamerawan

Jakarta Timur, DKI Jakarta | degatamerawan@gmail.com

+62811-1443-260 | [Linkedin](#) | [Github](#) | [Portfolio](#)

## Education

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**SMK-IT As-Syifa Boarding School, Subang**

2024 - 2027

Software Engineering

**SMP-IT As-Syifa Boarding School, Subang**

2021-2024

## Projects

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### FastReq – Employee Item Request System

- Built with Laravel and MySQL to manage employee item requests.
- Implemented role-based authentication for Employees and Managers.
- Employees can submit item requests; managers approve or reject in real-time.
- Dashboard for tracking the status of requests dynamically.
- Designed to streamline internal procurement workflow.

### SyifaPKL – Internship Management System (Partner Project, Backend Developer)

- Developed with Laravel to manage internship activities for students, teachers, and administrators.
- Multi-role system with authentication for Students, Teachers, and Admins.
- Students: manage internship placements and daily activity logs.
- Teachers: monitor student placements and daily activities.
- Admin: manage accounts, update placement status, and validate official internship documents.
- Ensured structured workflow and centralized PKL data management.

### Health Apps – Mobile Health Information Application

- Built with Flutter and Firebase Authentication.
- Integrated REST APIs to display hospital data, doctors, COVID-19 statistics, and health articles.
- Implemented user profile editing with name and photo updates.
- Focused on providing accessible health-related information in a mobile-first experience.

### **Electronic Store – E-Commerce Mobile Application**

- Developed with Flutter and Firebase as backend services.
- User authentication with login and registration system.
- Product listing with cart functionality (add, update quantity, remove items).
- Checkout process with purchase history tracking.
- Automated receipt generation for grouped purchased products.
- Designed to simulate a complete e-commerce workflow.

### **Vlab Software House – Project Showcase Platform (Group Project, Backend Developer)**

- Backend system developed with Laravel for managing student projects.
- Admin authentication with CRUD operations for projects.
- Projects displayed on a public landing page for visitors.
- Personally responsible for backend logic and database integration.

### **KasirKu Bengkel – Key Features**

- Cashier system for processing service and spare-part payments
- Item and service input with easy management
- Spare-part stock tracking and automatic updates
- Customer data management
- Engineer/technician management
- Transaction history with detailed records
- Daily report generation
- Export data to Excel
- All data is automatically saved and easily accessible

## **Organizational Experience**

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### **Batch Leader (2024 – Present)**

- Lead class activities and coordinate between students
- Organize internal events for the cohort
- Act as liaison between students and school administration

### **Student Council – Discipline Division (2024)**

- Assisted in enforcing school regulations and maintaining order
- Monitored student attendance and discipline
- Served as committee member for school events related to discipline
- Appointed as Chief Committee for national holiday commemorations (PHBN)

### **Student Council – Treasurer (2025)**

- Managed OSIS finances and prepared financial reports
- Developed budgets for school activities and programs
- Ensured transparency and accountability in fund allocation

### **Head of Pioneering Division (2023 – 2024)**

- Planned and led pioneering/outbound activities
- Organized and supervised the division team during training and field events
- Prepared activity reports and documentation

## **Competitions & Events**

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- Scout Competition – Nurul Fikri Lembang / Tunas Al Quds

Achieved 3rd Place Overall in scouting and pioneering activities.

- ISAC UI/UX Competition – Airlangga University (UNAIR)

Participated in national-level UI/UX design competition, showcasing creative design solutions.

- Photography Contest – Albacadabra Al-Bayyan

Competed in school-level photography event, presenting original creative works.

- Poster Design Competition – PT United Tractors

Designed and submitted posters on corporate theme, focusing on creativity and visual communication.

- Poster Design Competition – Surabaya University (UBAYA)

Participated in academic poster competition, applying design thinking and communication skills.

## **Technical Skills**

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- Leadership Skills
- Discipline Management
- Financial Responsibility
- Team Coordination
- Problem Solving
- Web Development (Laravel, Alpine.js, TailwindCSS)
- Mobile Development (Flutter, Firebase)
- Database Management (MySQL, Firebase)
- API Integration (REST APIs)
- UI/UX Design (Figma, Wireframing, Prototyping)
- Version Control (Git, GitHub)
- Project Management & Collaboration

## **Programming Languages & Tools**

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- PHP, Dart, JavaScript, SQL
- Laravel, Flutter
- TailwindCSS, Alpine.js
- MySQL, Firebase
- Figma, FigJam

## **Languages**

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- Indonesian – Native
- English – Intermediate (reading, writing, speaking)