

ILHAM DWI CAHYA

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PROFILE

Information Technology undergraduate specializing in Frontend development and UI/UX design, with strong foundations in Fullstack engineering. Experienced in collaborating within Agile development teams to design intuitive interfaces and implement responsive, user-centered web and mobile applications using modern frameworks.

EXPERIENCE

Tim PPK Ormawa BEM FKM

Technology Division (May 2026 – Present)

- Designing and developing a dedicated website for the flood mitigation program in Nogosari Village.
- Integrated IoT water level sensors with the web platform to provide real-time monitoring and data visualization for early flood warnings.
- Managed the end-to-end technical workflow, ensuring reliable data transmission from the hardware sensors directly to the web dashboard.

Technology Innovative Challenge 9.0 (National-Level Web Development Competition)

Public Relations (June 2026 – present)

- Managed the event's social media presence by crafting engaging content to boost visibility and participant engagement.
- Acted as the primary liaison for external stakeholders, coordinating with judges and participants while providing timely updates and handling inquiries.

UKM University Student English Forum (USEF)

Public Speaking Division (January 2025 – December 2025)

- Participating in public speaking training and regular practice sessions to improve English communication skills.
- Organized and participated in speaking forums, discussions, and internal events to foster a supportive and educational environment.

EDUCATION

- UNIVERSITAS JEMBER (2024 – Present)**
Information Technology - GPA 3.88 / 4.00
- Relevant Courses:** Web Programming, Mobile Programming, UI/UX Design, Database Systems, SQL Programming, Software Analysis and Design, Software Development

SKILLS

- Frontend & Mobile:** HTML, CSS, JavaScript, TypeScript, ReactJS, NextJS, TailwindCSS, Dart, Flutter.
- Backend & Database:** C#, Python, SQL, MySQL, PostgreSQL, Firebase, Supabase.
- UI/UX Design:** UI/UX Design, Wireframing, Prototyping, User Research.
- Tools & Methodologies:** Figma, Git, GitHub, Postman, PgAdmin, VS Code, Agile Methodology, SDLC.

PROJECTS

SimoGura – [June 2026]

Tech Stack: Figma, Flutter, Dart, ESP32, Supabase, MQTT

- Led the UI/UX design and frontend development of an IoT-integrated mobile app using Flutter to automate Gourami fish farming monitoring.
- Integrated real-time hardware data (ESP32, MQTT) with Supabase to display water quality tracking and automated alert notifications.

Aduin Jember – [June 2026]

Tech Stack: Figma, Flutter, Dart, Supabase, Maps API, Camera API

- Designed the user interface and built a smart city mobile application using Flutter to facilitate transparent public infrastructure reporting.
- Integrated Maps API for automatic geotagging and Camera API for visual proof in the complaint feature, supported by a Supabase backend.

SiKandang – [December 2025]

Tech Stack: Figma

- Designed the UI/UX and interactive prototypes of an IoT-based mobile application to digitalize medium-scale poultry farm management, featuring visual layouts for real-time environmental tracking and automated feeding schedules.