

FEMAS ALFARIDZI

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Information Technology student at Brawijaya University with a strong interest in technology, innovation, and self-development. Passionate about IT development, particularly in Internet of Things (IoT), software engineering, and emerging technologies. Actively involved in campus organizations, gaining hands-on experience in collaborative projects, leadership, and organizational management. Equipped with strong problem-solving abilities, effective time management, and decision-making skills. Eager to leverage IT knowledge to create impactful solutions that contribute to solving real-world problems and improving quality of life.

EDUCATION

Brawijaya University - Vocational Faculty,
Diploma in Information Technology | August 2024 – Present
GPA: 3.88 / 4.00

Universiti Teknologi Petronas – *Student Exchange Program*
Malaysia | September 2024

Joined a short academic program involving collaborative classes, cultural exploration, and knowledge sharing with UTP students through structured workshops and campus visits.

PROJECTS

- **IoT Engineer – Smart Parking System** | ESP32, RFID, Laravel
(May - June 2025)
Built a smart parking system using RFID-based access and flame sensors, with a live monitoring dashboard built in Laravel for alerts and parking analytics.
- **Mobile App Developer – Hotel Booking App** | Flutter, Rest API
(April - June 2025)
Developed a cross-platform hotel booking app with real-time room management, integrated with RESTful APIs for dynamic data syncing and reservation handling.
- **Web Developer – Library Information System** | PHP, HTML, CSS
(May - June 2024)
Created a basic web-based library system under lecturer supervision, focusing on front-end

layout and backend logic for book and member management.

- **UI/UX Designer – Smart Farm App Design | Figma, IoT Concept**
(May - June 2024)

Designed a mobile app interface for an IoT-based smart farming system, including wireframes, user flows, and high-fidelity prototypes.

CERTIFICATION AND LICENSES

Next.js App Router Fundamentals, Vercel | 2 October 2025

- Successfully completed the Next.js App Router Fundamentals course by Vercel, covering the core concepts of routing, layouts, data fetching, and server components in modern Next.js applications

Microsoft Azure AI Fundamentals (AI-900), Microsoft | 26 September 2025

- Completed Microsoft Azure AI Fundamentals (AI-900), covering core AI concepts, Machine Learning, Computer Vision, NLP, Speech, and Azure AI services for real-world applications.

Introduction to SQL, Simplilearn | 8 September 2025

- Gained foundational knowledge of SQL, including querying, filtering, and managing relational database.

Introduction to IoT and Digital Transformation, Cisco | 26 August 2025

- Gained foundational knowledge of IoT and digital transformation, covering connectivity, programmability, data, automation, and security.

Data Structure and Algorithms in Python and Java, DKatalis | 29 July 2025

- Gained practical experience in solving computational problems using both Python and Java.

Agile and Lean Development Culture, PT Bank Jago Tbk | 25 July 2025

- Acquired knowledge of Agile principles and Lean practices to improve efficiency, collaboration, and product delivery in software development.

Fundamentals of JavaScript Programming, Skilvul | 21 July 2025

- Completed JavaScript course covering DOM manipulation, functions, arrays, objects, control structures, and ES6 to build interactive web applications.

IoT Project: Building Health Monitoring System, Skilvul | 18 July 2025

- Completed a practical IoT project focused on real-time health data monitoring.

Internet of Things (IoT) – Software and Platforms, Skilvul | 18 July 2025

- Explored IoT infrastructure, middleware, and development tools.

Internet of Things (IoT) Fundamentals, Skilvul | 8 June 2025

- Gained foundational knowledge of IoT concepts, sensors, and connectivity.

Introduction to Cybersecurity, Cisco Networking Academy | 29 May 2025

- Earned student credential in cybersecurity fundamentals and threat awareness.

Software Engineering Wordpress Introduction, Myskill | 23 May 2025

- Learned basic concepts of WordPress development and site management.

IoT Development with ESP32, Skilvul | 17 May 2025

- Built microcontroller-based IoT systems using ESP32 and Arduino IDE.

Graphic Design Fundamental, Ousean | 17 – 27 February 2025

- Completed hands-on design training and assessment using Canva and Figma.

HTML Fundamental Course, Skilvul | 02 December 2024

- Learned HTML structure and syntax to build basic web pages.

Data Science, DQLab | July 2024 – August 2024

- Learned data analysis concepts and completed beginner-level exercises using Python.

ORGANIZATIONAL EXPERIENCE

Unit Aktivitas Bola Basket UABB Universitas Brawijaya

***Staff of Development* | February 2024 – December 2024**

- Assisted the division head in event planning and development.
- Managed concepts, preparation, timelines, targets, and team coordination.
- Acted as staff sponsor for Brawnation, a national 3x3 basketball tournament for university students across Indonesia.

***Staff of Event Brawijaya All Star* | 10 – 17 November 2024**

- Contributed to the conceptualization and planning of the event by organizing the rundown and technical flow.
- Ensured smooth event execution by designing structured schedules, resulting in a well-organized and impactful campus-wide sports celebration.

***Staff of Sponsor Brawnation 3x3* | 16 August 2024**

- Secured sponsorships worth over IDR 15 million, covering approximately 75% of the event's total funding target of IDR 20 million.
- Played a key role in proposal drafting, negotiation, and partnership coordination to ensure event sustainability and financial success.

Eksekutif Mahasiswa Universitas Brawijaya

***Intern Staff at Kementerian Badan Usaha Milik Mahasiswa* | August – December 2024**

- Supported impactful programs that empowered student-led businesses to become more competitive, creative, and sustainable.
- Contributed to initiatives focused on funding access and real-world entrepreneurial development.

Logistic Division Staff at Kampung Budaya | June 2024 – October 2024

- Organized and managed all equipment and backstage needs for the cultural event Kampung Budaya.

Mahasiswa Wirausaha Universitas Brawijaya

Staff of Logistic and Equipment Brawijaya Entrepreneur Festival | June 2024 – October 2024

- Handled logistics for one of BEF's main events, including transportation, meals, and accommodation.
- Collaborated with divisions and acted as contact person for the Young Business Summit.

SKILLS

Soft Skills :

- Problem Solving
- Time Management
- Team Collaboration

Technical Skills :

- Web Development (HTML,CSS,JavaScript, PHP(Laravel - Basic), SQL
- Mobile Development (Flutter / Dart)
- IoT & Embedded System: C++, ESP32, Arduino, Python
- UI/UX Design: Wireframing, Prototyping, User Flow

Tools :

- Vscode
- Android Studio
- Arduino IDE
- Figma
- Canva

Languages :

- Indonesia (Native)
- English (Basic)