

MUHAMMAD FARRAS YASYFA

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I am an undergraduate student currently pursuing a Bachelor of Applied Science in Informatics Engineering. Certified Associate Cloud Engineer with a strong interest in full-stack web development and cloud computing. Experienced in building end-to-end web applications and deploying scalable, cloud-based solutions. Passionate about creating seamless user experiences while ensuring robust backend systems and efficient infrastructure. Demonstrated ability to work collaboratively in team-based projects and deliver real-world digital solutions.

Experience

Dinas Kesehatan Depok <i>Internship Fullstack Web Developer</i>	Aug 2025 - Present
<ul style="list-style-type: none">Maintained and updated D'Simfoniku, a Laravel-based web application for environmental health inspections.Implemented new features and improvements requested by the Health Department.Performed bug fixes and system enhancements to ensure platform reliability.Migrated and redeployed the application to Domainsia hosting.	

EDUCATION

Politeknik Negeri Jakarta (Current GPA: 3.69) <i>Bachelor of Applied Science, Informatics Engineering</i>	Aug 2022 - Present
CEP – CCIT FTUI (GPA: 3.54) <i>Associate's degree, Informatics Engineering</i>	Aug 2022 – Aug 2024
Bangkit Academy led by Google, Tokopedia, Gojek, & Traveloka <i>Cloud Computing Cohort</i>	Aug 2024 – Des 2024
Coding Camp powered by DBS Foundation <i>Frontend & Backend Learning Path</i>	Feb 2025 – Jul 2025

PROJECTS

Dsimfoniku <i>health inspection website for the Health Department</i>	<ul style="list-style-type: none">Multi-facility Digital Inspection Platform - Comprehensive web application supporting 25+ facility types (hospitals, restaurants, schools, markets) with dynamic scoring algorithms, automated report generation, and role-based access control for district-level data management.Built with Laravel 11 MVC architecture, MySQL database with Eloquent ORM, custom middleware for authentication, complex database migrations handling numeric field transformations, and integrated PDF/Excel export capabilities using DomPDF and Maatwebsite/Excel libraries.Developed complete CRUD operations for 25+ inspection models, implemented automated scoring calculations with normalization algorithms, created responsive interface using TailwindCSS + DaisyUI, and deployed to production via cPanel hosting on Domainsia with optimized database performance.
JobMate <i>AI-Powered Job Search Platform</i>	<ul style="list-style-type: none">Full-stack web application connecting job seekers with inclusive employment opportunities, featuring ML-based job recommendations, automated CV analysis, and AI chatbot for career guidance.Built with React TypeScript, Express.js backend, Firebase authentication, and Google Cloud Run deployment with integrated AI services (Google Gemini, IndoBERT).Developed 20+ components with CRUD operations, implemented 3 ML services (job matching, CV review, chatbot), and created accessible UX with bookmark management and application tracking.
HarmoniAlam <i>Environmental Volunteer Platform</i>	<ul style="list-style-type: none">A comprehensive full-stack web platform connecting environmental volunteers with event organizers across Indonesia, featuring multi-role authentication, real-time event management, and community engagement tools.Built with React TypeScript frontend and Node.js Express backend, integrated with PostgreSQL database via Prisma ORM, Google Cloud Storage for file management, and automated email verification system.Developed complete CRUD operations for 15+ data models, implemented JWT-based security for 3 user roles (Volunteer, Organizer, Admin), and created responsive dashboards with interactive mapping and bookmark features.
FitMate <i>android diet assistant app</i>	<ul style="list-style-type: none">FitMate is an Android-based diet assistant app that leverages advanced technologies like Computer Vision and Natural Language Processing

(NLP) to enable food recognition and provide personalized dietary guidance through an intuitive interface.

- Utilizes Convolutional Neural Networks (CNN) with EfficientNetV2S for identifying foods from smartphone camera images and estimating nutritional content, paired with an IndoBERT-powered chatbot for interactive diet advice and nutritional insights based on user queries.
- Incorporates FP-Growth data mining to analyze consumption patterns and offer tailored food recommendations, with local data storage via Room Database for offline tracking of user profiles, meal histories, and dietary progress, deployed using Google Cloud Run and Storage for efficient model and data management.

CERTIFICATE

Google Cloud Certified – Associate Cloud Engineer

Issued by Google | Issued: May 2025 | Expires: May 2028

CEP – CCIT FTUI Program Certificate

Issued by NIIT | Issued: March 2025

SKILLS

Language: Bahasa Indonesia (Native); English (Novice)

Soft Skills: problem-solving, communication, teamwork, typography, time management

Hard Skills: UI/UX Design, HTML, CSS, JavaScript, PHP, MYSQL, PostgreSQL, Python, TypeScript, Kotlin, Laravel

Software Skills: Visual Studio Code, Android Studio, Figma, Microsoft Office, Canva, Google Cloud Platform, Github, Google Cloud Platform