

AKHTAR FAIZI PUTRA

FULL STACK DEVELOPER

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SUMMARY

An enthusiastic undergraduate student with hands-on experience in website and Android application development. Skilled in building responsive and user-focused digital solutions through both individual and collaborative projects. Eager to learn and adapt, with a strong interest in applying technical knowledge to real-world challenges and supporting business or user needs.

PROFESSIONAL EXPERIENCE

Bangkit Academy by Google, GoTo, & Traveloka

Sep 2024 – Jan 2025

Cohort Mobile Development Learning Path, Certified Independent Study (MSIB)

- Focused on Android application development using Kotlin.
- Completed a curriculum covering software engineering, cloud computing, and soft skills.
- Collaborated with a team to develop a real-world Android application as a Capstone Project.

PT. Indonesia Comnets Plus

Mar 2021 – Jun 2021

Junior Data Analyst, Internship

- Learned and implemented the creation and recap of PLN data across Indonesia using GIS-based analysis tools (ArcGIS, ArcMap).
- Performed geographical data analysis for national-scale projects to support strategic planning.
- Contributed to Digital Development, Digital Services, and Research initiatives to enhance operational efficiency.
- Developed digital services and conducted technology research to support the company's operations.
- Strengthened technical skills in GIS software and data visualization for large datasets.

ORGANIZATIONAL EXPERIENCE

Sahabat PNJ

Jan 2025 – Present

Mentor of Android Division

- Taught the fundamentals of Kotlin programming for Android development using Android Studio.
- Guided students in using Views (e.g., TextView, Button, EditText) to create and customize UI components in Android apps.
- Explained View Binding for easier interaction between Kotlin code and XML layouts.
- Demonstrated the use of Intent for navigating between Activities and passing data with Intent extras.

Sahabat PNJ

Feb 2024 – Sep 2024

Head of Website Division

- Led and managed web development projects, overseeing the planning, execution, and delivery of professional websites for the Student Activity Unit (SAU).
- Mentored division members in various web technologies, including HTML, CSS, JavaScript, Tailwind, PHP, GitHub, and web hosting.
- Designed and conducted hands-on training sessions to enhance the technical skills and problem-solving abilities of division members.
- Fostered a collaborative learning environment, ensuring team members developed the necessary skills to create and maintain high-quality websites.
- Provided guidance on best practices for web development, version control, and project management to improve workflow and efficiency within the division.
- Coordinated with other divisions and stakeholders to ensure website projects were aligned with organizational goals and requirements.
- Oversaw the maintenance and updates of existing websites, ensuring functionality, performance, and security were maintained.

EDUCATION

Politeknik Negeri Jakarta Teknik Informatika, GPA 3.82	Mar 2022 – Present
<ul style="list-style-type: none">• Gained practical experience in Android app development using Kotlin and Android Studio, including UI design, View Binding, and Intents for app navigation and data passing.• Developed projects utilizing databases (MySQL, PostgreSQL) for data management and integration in web and mobile applications.• Worked with web technologies including HTML, CSS, JavaScript, and PHP to build dynamic and responsive websites.• Engaged in team-based projects, applying Agile methodologies to manage project timelines, tasks, and deliverables efficiently.	

PROJECTS

Project Based Learning, PARE AI Politeknik Negeri Jakarta	Mar 2025 – June 2025
<ul style="list-style-type: none">• Developed a mobile application for early detection of rice plant diseases using Convolutional Neural Networks (CNN) and Large Language Models (LLMs).• Led the integration of a Machine Learning model trained with 9 rice leaf disease classes (e.g., Blight, Brown Spot, Neck Blast).• Built a responsive Android app using Kotlin and Firebase for real-time user interaction and data storage.• Designed and implemented a cloud-based backend using Google Cloud Platform (GCP) and Flask API hosted via Cloud Run.• Created an interactive LLM-based ChatBot to provide contextual agricultural advice to farmers using fine-tuned natural language prompts.• Conducted user interviews with farmers and experts from UPTD BPTPH and Techno GIS to refine system requirements and usability.• Achieved 95%+ model accuracy using data augmentation, CNN training optimization, and classification evaluation via confusion matrix and F1-score.• Implemented end-to-end features: image classification, user authentication, chatbot, knowledge base articles, and user profile management.	
Capstone Project, Cek Apel Bangkit Academy 2024	Oct 2024 – Des 2024
<ul style="list-style-type: none">• Developed an application for detecting diseases in apple tree leaves using image scanning, leveraging Kotlin and API integration.• Provided accurate diagnosis and treatment suggestions for leaf diseases, helping farmers manage and improve crop health.• Implemented a machine learning model to analyze apple leaf images and identify signs of disease.• Developed a mobile application using Kotlin that allows users to take pictures of apple leaves and receive instant feedback on detected diseases.• Integrated external APIs to fetch information about apple diseases, treatment suggestions, and preventive measures.• Provided real-time treatment suggestions and preventive steps based on the detected diseases.• Collaborated with a cross-functional team to ensure smooth integration of application components such as image processing, machine learning, and user interface design.• Conducted extensive testing to ensure the accuracy and speed of the disease detection system and optimized the application for better performance and user experience.	

CERTIFICATION

<ul style="list-style-type: none">• Belajar Pengembangan Aplikasi Android Intermediate, Dicoding• Belajar Membuat Aplikasi Android dengan Jetpack Compose, Dicoding• Belajar Penerapan Machine Learning untuk Android, Dicoding• Belajar Fundamental Front-End Web Development, Dicoding• Belajar Back-End Pemula dengan JavaScript, Dicoding• Belajar Dasar UX Design, Dicoding	
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