Farhan Al Farisi

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ABOUT ME

I've had the opportunity to immerse myself in a hands-on technical environment. I've gained a deep understanding of various programming languages and software development practices. This experience has honed my problem-solving skills and reinforced my passion for technology and education. I'm eager to leverage these skills and experiences in future roles.

EDUCATIONS

Institut Teknologi Nasional   **September 2021 – Present**

- Informatics Major
- Current GPA : 3.62/4.00

EXPERIENCE

Cloud Computing Cohort at Bangkit Academy   **February 2024 - Present**
Tools: Google Cloud, JavaScript, Node.js, Visual Studio Code, GitHub
Through this program, I am acquiring in-depth knowledge and hands-on experience in Cloud Computing, with a focus on developing and deploying scalable cloud-based applications.

Computer Network Labolatory Assistant   **February 2024 - Present**
Tools: RedHat, Ubuntu, MikroTik

- Managed and maintained the computer network laboratory's Linux-based systems (RedHat and Ubuntu)
- Configured and managed MikroTik routers to ensure optimal network performance
- Assisted students in understanding and applying networking concepts
- Troubleshot and resolved network issues in a timely manner

Digital Image Processing Labolatory Assistant   **February 2024 - Present**
Tools: Python, PyCharm, Google Colab, OpenCV

- Developed and implemented image processing algorithms using Python and OpenCV
- Assisted students in understanding and applying image processing concepts
- Troubleshot and resolved issues related to image processing in a timely manner

Basic Programming Laboratory Assistant   **September 2023 – January 2024**
Tools: Tools: Python, PyCharm, MySQL

- Developed and implemented programming solutions using Python
- Managed MySQL databases to ensure optimal performance
- Assisted students in understanding and applying basic programming concepts

PROJECTS

BinaBona   2024
Tools: Google Cloud, JavaScript, Node.js, Visual Studio Code, GitHub
Form: Capstone Entrepeneur Track – Bangkit Academy
Developing a mobile application to hone and develop soccer potential, there are interactive AI features to practice based on guides and AI to help calculate food calories.

Air Quality Monitoring System   2023
Tools: Kotlin, Flutter, C, HTML, CSS, JavaScript, PHP, MySQL, Arduino, Visual Studio Code, Android Studio, MQTT
From: Mobile Programming and IoT Programming Course – Faculty of Industrial Technology, ITENAS
Created an Android app with Kotlin to provide real-time access to air quality data. Utilized advanced query techniques to implement dynamic graph features, showcasing key metrics like maximum, minimum, and average values for better user comprehension.

Crowd Detection Application   2023
Tools: Python, OpenCV, Roboflow
From: Computer Vision Course – Faculty of Industrial Technology, ITENAS
Cutting-edge computer vision application designed for precise and efficient crowd detection. Leveraging the latest YOLOv8 (You Only Look Once) deep learning model, this application delivers unparalleled accuracy and real-time performance for various crowd monitoring scenarios.

Web Base Fish Auto Feeder   2023
Tools: Arduino, Firebase, C , HTML, CSS
From: Advanced Algorithm Course – Faculty of Industrial Technology, ITENAS
Automated fish feeder designed to simplify and enhance the feeding process for your aquatic pets. Powered by Arduino and equipped with web-based monitoring, AquaFeeder ensures your fish are fed on time, even when you're away, providing a hassle-free and efficient feeding solution.

Real-World Network Topology Implementation   2023
Tools: RedHat, Ubuntu, MikroTik
From: Computer Network Course – Faculty of Industrial Technology, ITENAS
Utilizing the robust capabilities of Red Hat, Ubuntu, and MikroTik. Designed for network professionals and IT enthusiasts, provides a practical and versatile platform for deploying, managing, and optimizing network infrastructures.

SKILLS

Soft skills:

- Growth Mindset
- Critical Thinking
- Personal Branding
- Team Collabolaration
- Time and Energy Management
- Problem Solving

Hard skills:

- Programming Languages   : PHP, Java, Python, Kotlin, JavaScript, Node.js
- Web Technologies   : Google Cloud, HTML, CSS, PHP, JavaScript, Node.js
- Database   : MySQL, Postman
- Operating System   : Windows, RedHat, Ubuntu.