PARIS ACHMAD FAUZAN

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I am an Informatics Engineering student with a strong understanding of various areas in information technology, including software development, data analysis, and information systems. I am passionate about applying technology to create innovative and efficient solutions to address diverse challenges.

EDUCATION

National Institute of Technology, Bandung   Aug 2022 – NOW

Bachelor's Degree in **Informatics**

GPA 3.63/4.00

Relevant Courses:

Web Development, Algorithms, Information System Analysis & Design, Quality Control, Informatics System Design, Data Structures & Types, Mobile Development, Database Management, Software Development Life Cycle (SDLC), System Modeling, Digital Image Processing, Web & Mobile Design, Organization & Management, Machine Learning Development, Data Analysis & Insight , Computer Vision, Cloud Computing.

SKILLS

Productivity Tools & Office:
- Microsoft Excel
- Microsoft Word (Formatting, Reference Manager, Extensions)
- Microsoft PowerPoint (Slide Design, Animation, Editing)
- Google Workspace (Docs, Sheets, Slides)

Design & Editing Software:
- Adobe Photoshop, Premiere Pro, Lightroom,
- Davinci Resolve, Canva, CapCut

Programming Languages:
- Python (Data Structures & Algorithms, Data Analysis, Machine Learning, Digital Image Processing)
- C++ (Arduino Programming)
- HTML, CSS (Tailwind CSS)
- JavaScript
- SQL (Database Management, Query Optimization)

Frameworks & Libraries:
- React.js, Next.js, Node.js
- Laravel (PHP Framework)
- Flutter (Mobile Development)

Other Skills:
- RESTful API Integration
- Version Control (Git, GitHub)
- JSON, XML (Data Interchange Formats)

WORK EXPERIENCE & PROJECTS

Fine.Potret , Purwakarta   Aug 2022 – NOW

Fotografer & Videografer , Freelance
- Provided personalized client services by assisting clients in selecting suitable visual concepts and addressing inquiries related to photo and video sessions.

- Conducted post-production editing and enhancement of photos and videos using Adobe Photoshop, Lightroom, and Premiere Pro, ensuring high-quality and aesthetically appealing results aligned with client expectations.
- Collaborated closely with creative teams, models, and clients to foster a productive and collaborative work environment, contributing to the successful execution of projects.

Web Programming Course Project: Food E-commerce Platform   Feb 2023 – Jun 2023

Web Developer | **Bandung West Java**

- Developed a fully functional food e-commerce website using Laravel 11, focusing on responsive design and seamless user experience.
- Implemented essential e-commerce features such as product listing, shopping cart, order management, and payment integration.
- Utilized Blade templating engine, MySQL database to ensure scalability and efficient data management.
- Designed and implemented an admin dashboard with full CRUD (Create, Read, Update, Delete) functionality for managing products, categories, orders, and users.

Advanced Algorithm Course Project: Arduino Smart Garden   Feb 2023 – Jun 2023

Robotics and Control Systems | **Bandung West Java**

- Developed an efficient Arduino-based automatic plant watering system, integrating multiple environmental sensors (moisture, temperature, humidity) to optimize irrigation.
- Designed and implemented mobile application interface for real-time monitoring and remote control, enhancing user convenience and system usability.
- Applied algorithm optimization techniques to ensure precise water usage, contributing to improved crop yield and water efficiency.

Computer Vision Course Project: PKlot Detection   Jul 2024 – Aug 2024

Machine Learning Engineer | **Bandung West Java**

- Built a computer vision model for detecting parking lot occupancy using the PKLot dataset, leveraging YOLO (You Only Look Once) architecture for real-time object detection.
- Implemented image preprocessing, feature extraction, and bounding box annotation to improve detection accuracy and reduce false positives.
- Utilized Python, OpenCV, and Scikit-Learn to fine-tune the model and evaluate performance.

Data Mining & Information Retrieval Course Project: DocRank   Jul 2024 – Aug 2024

Data Engineer | **Bandung West Java**

- Implemented text tokenization, stop word removal, and stemming algorithms to optimize search relevance and reduce noise in query results.
- Utilized Python along with libraries such as NLTK and Scikit-Learn to process and index textual data efficiently.
- Developed a document retrieval application designed to enhance search accuracy through advanced preprocessing techniques.

IoT Programming Course Project: Aquadex   Jul 2024 – Aug 2024

IOT Engineer | **Bandung West Java**

- Designed and developed Aquadex, an IoT-based smart aquarium monitoring system utilizing various sensors to measure water quality parameters such as temperature, pH, turbidity,and WaterFlow
- Integrated sensor data with both mobile and web platforms for real-time monitoring and control, enhancing user convenience and ensuring optimal aquarium conditions.
- Implemented MQTT protocol as a message broker for efficient, low-latency communication between IoT devices and cloud servers.
- Configured cloud-based database services to store and manage sensor data securely and reliably.

Mobile Programming Course Project: Fitness App   Apr 2024 – Jun 2024

Mobile Developer | **Bandung West Java**

- Developed a mobile health application to track and visualize users' fitness progress over time, focusing on exercise routines and workout consistency.
- Implemented user authentication, personalized workout plans, and progress dashboards to monitor metrics such as calories burned, workout duration, and exercise frequency.
- Utilized Flutter framework for cross-platform development, ensuring smooth performance on both Android and iOS devices.
- Integrated data visualization features using charts and graphs to display user performance trends in an intuitive interface.

Machine Learning Course Project: Plant Disease Classification using CNN   Feb 2025 – Jun 2025

Machine Learning Engineer| **Bandung West Java**

- Developed a convolutional neural network (CNN) model to classify plant diseases based on leaf pattern images using TensorFlow and Keras.
- Conducted image preprocessing including resizing, normalization, and augmentation to improve model generalization.
- Trained and validated the model on a labeled dataset of plant leaves, achieving high classification accuracy across multiple disease categories.

ORGANIZATION EXPERIENCE

Himpunan Mahasiswa Teknik Informatika ITENAS

Event Staff – Graduation Ceremony | 2022 – 2023

- Served as a member of the event division for the graduation ceremony, responsible for planning, coordinating, and executing event activities to ensure a smooth and memorable experience for graduates.
- Collaborated with team members to manage event schedules, liaise with vendors, and oversee technical requirements.
- Contributed to problem-solving on event day, ensuring that all activities proceeded according to plan without disruptions.

CERTIFICATION & ACHIEVEMENTS

- 2nd Place Winner – Huawei ICT Competition National Final 2024-2025 (Cloud Track) : https://bit.ly/4bJO9jh