SABILA HAYYINUN JANNAH
Fresh Graduate

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Bandung Regency, West Java

ABOUT ME

A Telecommunications Engineering graduate with a strong foundation in Artificial Intelligence, Data Science, and Web Development. Experienced in machine learning model development, deep learning, and web application design using Django. Proficient in Python, data processing, and sensor-based systems, with hands-on experience in computer vision, predictive modeling, and full-stack development. Passionate about leveraging technology to solve real-world problems through data-driven insights.

EDUCATION

Telkom University   **Bandung**

Bachelor's Degree in Telecommunication Engineering | GPA: 3.58 / 4.00   2020 – 2024

Final Project:

- Developed a Sensor-Based Push-up and Sit-up Counter System using ESP32 and MPU6050, integrating real-time motion tracking.
- Built a Django-based web application for data visualization and movement analysis.
- Utilized BLE communication to connect the hardware with software.

Relevant Course:

- Data Literacy – Understanding data interpretation, visualization, and decision-making.
- Python Programming – Fundamentals of programming, application development, and automation using Python.
- Algorithms & Programming – Problem-solving using structured and efficient algorithms.
- Probability & Statistics – Core concepts for data analysis and predictive modeling.
- AI & Big Data Analysis – Machine learning, deep learning, and big data processing techniques.

WORK EXPERIENCE

Telkom Indonesia   **Bandung**

Digital Connectivity Services, Internship   July 2023 – August 2023

- Developed an AI-powered employee attendance system integrating Face Recognition, Emotion, Gender, and Age Detection using Deep Learning (CNN, OpenCV, TensorFlow/Keras).
- Designed and implemented the Django-based back end, ensuring seamless integration with the front end.
- Assisted in the deployment of the model using Django API integration.

Telkom Akses   **Karawang**

Fiber Academy Division, Internship   June 2019 – August 2019

- Assisted in preparing FTTH training materials for 50+ technicians, including compiling questions and documenting activities.
- Managed training reports, tool inventory, and score uploads into the company's system, ensuring 100% accuracy in documentation.

ORGANIZATIONAL EXPERIENCE

Practicum Assistant and Secretary Treasurer   **Telkom University**

Intelligent Laboratory Biomedical System   January 2024 – July 2024

- Taught 12 hands-on Machine Learning modules in Object-Oriented Programming (Python), assisting 70+ students in understanding AI applications.
- Created practicum questions & score summaries.
- As Secretary Treasurer, handled financial reports & lab documentation, ensuring transparent fund distribution.

Practicum Assistant   **Telkom University**

Basic Computer Laboratory   August 2021 – July 2023

- Instructed C programming & algorithms to 200+ students in the Electrical Engineering faculty.
- Developed exam & assignment questions for the Algorithm and Programming practicum (10 modules), improving students' problem-solving skills.
- Conducted plagiarism detection on final assignments, ensuring 100% academic integrity.

CERTIFICATION

- Certificate of Professional Skill | E-Learning MySkill | Data Science & Data Analysis | January 2025

SKILLS

Machine Learning & AI	:Deep Learning (CNN, TensorFlow, PyTorch, OpenCV), Feature Engineering & Data Preprocessing, Computer Vision (Object Detection, Image Classification).
Data Science & Analytics	:Data Cleaning & Processing (Pandas, NumPy), Exploratory Data Analysis (Matplotlib, Seaborn), Predictive Modeling (Scikit-Learn, XGBoost).
Web Development	:Backend (Django), Frontend (HTML, CSS, JavaScript), API Development (REST API, Postman)

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