

# Rahmad Hidayad

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## Education

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### Bachelor of Engineering: Computer Engineering

Telkom University  
Bandung, Indonesia

Aug 2019 – Nov 2023

- IPK/GPA : 3.20/4.00

## Experience

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### Freelance AI Mentor (Remote)

Jan 2024 – Present

- Mentored learners in Python, data preprocessing, and AI model development.
- Debugged, optimized, and deployed ML models using YOLOv8 + SAHI (Detection of Rice Quality).
- Implemented best practices in data cleaning, annotation, augmentation, and automation for AI pipelines using Roboflow.

### Internship – Artificial Intelligence (MSIB)

Startup Campus (Remote)

Aug 2022 – Dec 2022

- Trained and evaluated deep learning models on the Fashion-MNIST dataset for image classification tasks.
- Implemented workflows for data preprocessing, model training, and testing using Python and PyTorch.
- Learned and applied concepts in computer vision and neural networks for practical problem solving.
- Collaborated using Git/GitHub for version control and project documentation.

### Practicum Assistant: Artificial Intelligence

Telkom University, Bandung

Aug 2022 – Aug 2023

- Taught AI topics: search algorithms, knowledge representation, fuzzy logic, genetic algorithms.
- Led deep learning study sessions with VGG19 and transfer learning.
- Assisted 30+ students with model training, evaluation, and optimization.

### Capstone: Elderly Caring System Using YOLOv7

Telkom University

Aug 2022 – Aug 2023

- Built PyTorch-based elderly detection system (94% accuracy).
- Designed ETL pipeline for image preprocessing and annotation (Roboflow).
- Automated real-time alerts via Telegram API; packaged for reproducible deployment.

## Skills

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**AI & Machine Learning:** Deep Learning, Computer Vision, NLP, LLM Integration, Prompt Engineering, Model Deployment, Transfer Learning

**Programming:** Python, SQL, JavaScript

**Frameworks & Tools:** PyTorch, TensorFlow, Scikit-learn, OpenCV, Docker, Git, Streamlit, n8n, Dify, Jupyter, MySQL, Tableau, Postman

**Data Engineering:** Data Preprocessing, Feature Engineering, ETL Pipelines, Data Augmentation, Annotation

**Other:** SWI-Prolog, Labelling, Roboflow, VS Code, Google Colab