



Fatoni Murfid Syaafii

Sophomore of Computer Science
at Brawijaya University

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SUMMARY

I am a 20-year-old Computer Science student at Brawijaya University, starting my journey in data science with a strong focus on Artificial Intelligence. My current interests lie in Computer Vision, Large Language Models (LLMs), and AI agents. I am eager to deepen my knowledge in these areas, building a solid foundation to achieve my goal of becoming an AI engineer. While still in the early stages of my journey, I am continuously honing my programming skills, fostering teamwork, and exploring ways to apply AI to solve real-world problems.

EXPERIENCE

Computer Vision Engineer

02/2025 - Present

Vehicle Detection System

- Designing and Implementing an Automated License Plate Detection System to Enhance Campus Security and Traffic Management
- Fine-tuning a Deep Learning Model for Optical Character Recognition (OCR) to Accurately Extract and Process License Plate Information

Vice Head of Data Science Department

12/2024 - Present

Basic Computing Community (BCC) ↗

- Assist the department head in managing the data science team, including delegating tasks to team members based on their expertise.
- Guide team members in developing technical and non-technical skills to support the department's objectives.

AI Researcher in Intelligent System Laboratory

09/2024 - Present

Fakultas Ilmu Komputer (FILKOM)

- Conduct research focused on synthetic medical data generation using generative AI techniques.
- Explore innovative solutions to improve data quality and availability in medical fields through advanced AI models.
- I frequently compete in Computer Vision challenges, specializing in CNN development for object detection, image classification, and OCR.

Data Scientist

03/2024 - Present

Basic Computing Community (BCC) ↗

- Collaborated in the Data Science Division, working closely with team members to improve our collective skills and share knowledge with the broader community.
- My focus is on developing machine learning skills through active participation in competitions and hands-on projects.

Machine Learning Researcher - CBR 2

09/2024 - 02/2025

SOI Asia ↗

- Developed machine learning models for a Network Intrusion Detection System to enhance cybersecurity measures.
- Conducted experiments to explore the application of machine learning techniques and optimization in cybersecurity.

Vice Project Officer of Data Science Mini Bootcamp 2024

07/2024 - 10/2024

Basic Computing Community (BCC) ↗

- Assist the project leader in managing and coordinating divisional teams to ensure the smooth execution of the event.
- Act as a mentor, guiding participants through hands-on activities and providing insights into data science practices.

Creative Media Division

05/2024 - 12/2024

Basic Computing Community (BCC) ↗

- Managed and developed promotional and branding content for BCC to enhance visibility and engagement.

- Collaborated with the team to produce content consistent with BCC's identity and objectives.

EDUCATION

Computer Science	08/2023 - Present
Brawijaya University - S1	
Science	08/2021 - 05/2023
SMA Negeri 2 Kota Madiun	

SKILLS

Computer Vision	Intermediate	Python	Intermediate
Deep Learning	Intermediate	Leadership	Intermediate
PyTorch	Intermediate	Problem Solving	Advanced
Machine Learning	Advanced	Critical Thinking	Advanced
Java	Intermediate	Team Work	Advanced

PROJECTS

AI Engineer	01/2025 - 01/2025
Krowten AI ↗	
<ul style="list-style-type: none">• Created a chatbot to address questions on networking and security concepts from academic materials.• Designed to support learning at the Faculty of Computer Science, Brawijaya University.	
AI Engineer	10/2024 - 12/2024
Career Path AI	
<ul style="list-style-type: none">• Developed an AI system to recommend jobs based on a CV, aligned with market opportunities.• Added a scoring feature to evaluate the CV by comparing it within the same field.	
ML Engineer	03/2024 - 05/2024
Sentiment Analysis Tweet Election 2024 ↗	
<ul style="list-style-type: none">• Developed a machine learning model to predict tweet sentiment on the 2024 General Election in Indonesia.• Focused on analyzing public opinion through sentiment classification of election-related tweets.	

AWARDS

Data Mining Finalist - GEMASTIK XVII 2024	09/2024
Pusat Prestasi Nasional (PUSPRESNAS)	
Creating Research of "Otomatisasi Deteksi Jalan Berlubang Menggunakan Model YOLOv8 dengan Optimalisasi Domain Adaptation" preliminary session	
Olympiad Finalist of Cyber Security and IoT ARA ITS 2022	04/2022
A Renewal Agent, Institut Teknologi Sepuluh Nopember	
3rd Place Winner of Photography Competition.	04/2021
PIK-R Madiun	