Fatoni Murfid Syaafii

Sophomore of Computer Science
at Brawijaya University

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SUMMARY

I am an AI/ML Engineer specializing in the development and implementation of of innovative and strategic artificial intelligence systems. Currently a 20-year-old Computer Science student at Brawijaya University, I am dedicated to delivering innovative, real-world AI solutions. My expertise spans areas such as Computer Vision, Large Language Models, and AI agent development. I continuously refine my programming skills, foster effective teamwork, and integrate theoretical research with practical system implementation in the AI domain.

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.

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.

Data Scientist 03/2024 - 12/2024
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.

E D U C A T I O N

Computer Science   08/2023 - Present
Brawijaya University - S1

Science   08/2021 - 05/2023
SMA Negeri 2 Kota Madiun

S K I L L S

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

P R O J E C T S

AI Engineer   01/2025 - 01/2025
Krowten AI ↗
- 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
- 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 ↗
- 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.

A W A R D S

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" for 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