

Sanjukin Ndube Pinem

AI Engineer | Data Scientist

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PROFILE

Final-year Informatics student (GPA 3.73) specializing in Artificial Intelligence & Machine Learning. Experienced in building end-to-end ML pipelines, with focus on NLP, Computer Vision, and Recommender Systems. Skilled in deploying models into production using FastAPI, Streamlit, and Supabase. Passionate about applying AI to solve real-world problems in logistics, operations, and business.

SKILLS

Programming & Frameworks:

Python (Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch), SQL (PostgreSQL, Supabase), Git, Docker

ML/AI:

NLP (BERT, IndoBERT, LLM), Computer Vision (CNN, Image Classification), Recommender Systems, Feature Engineering, Model Deployment

Tools & Visualization:

Power BI, Matplotlib, Seaborn, Streamlit, FastAPI, Web Scraping (BeautifulSoup, Selenium)

EXPERIENCES

Internship – Pusat Inovasi Pengajaran dan Pembelajaran Unpad, Chatbot Developer

02/2025 – 05/2025

- Developed IndoBERT-based chatbot for LMS, integrated with FastAPI & React.
- Delivered functional prototype used in academic environment.

Project-Based Virtual Intern: Data Scientist ID/X Partners x Rakamin Academy

08/2025 – 09/2025

- Built credit risk prediction model on 466k-loan dataset with XGBoost.
- Applied data cleaning, feature engineering, imbalance handling (SMOTE).
- Achieved ROC-AUC ~0.707, presented results in business-oriented format.

Apprenticeship - Bangkit Academy 2024, Machine Learning Cohort — led by Google, Tokopedia, Gojek, & Traveloka

09/2024 – 12/2024

- Selected among top 7% (4,000/55,000+) applicants.
- Completed projects in ML, DL, NLP, and Computer Vision under industry mentors.

Organization Experience, Staff Pengembangan Teknologi Informasi - Himatif Unpad

01/2023 – 01/2024

- Facilitated workshops, competitions, and skill development for Informatics members.

EDUCATION

Bachelor of Informatics Engineering, Universitas Padjadjaran

2022 – present | Jatinangor, Indonesia

- GPA 3.73
- Machine Learning, Statistics, Algorithms, Software Engineering

PROJECTS

Movie Recommender System

- Hybrid model (collaborative, content-based, neural) deployed on Streamlit.

LMS Unpad Chatbot (NLP/LLM)

- IndoBERT-based chatbot for academic Q&A, with LLM intent detection & FastAPI.

SoundMood – Bangkit Academy Capstone Project

- Developed CNN-based facial expression classifier (TensorFlow) using RAF-DB (5-class) dataset.
- Achieved 88% validation accuracy across 5 emotion classes (happy, sad, angry, surprised, neutral).

Credit Risk Classifier

- Built credit risk classifier. Delivered feature insights for risk assessment

Mall Customer Segmentation

- Applied K-Means clustering on customer data, extracted actionable marketing insights.

Property Price Prediction – Medan (Web Scraping + Dashboard)

- Scraped housing listings & built regression model, deployed via Streamlit dashboard.

CERTIFICATES

- Machine Learning Specialization (Coursera)
- TensorFlow Developer Specialization (Coursera)
- Natural Language Processing in TensorFlow (Coursera)
- Convolutional Neural Networks in TensorFlow (Coursera)
- Microsoft Power BI – Certificate of Skill Specialization (MySkill)
- Belajar Analisis Data dengan Python (Dicoding)

LANGUAGES

English

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Bahasa Indonesia

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