FERDICO CHANDRA

Undergraduate Information Systems Student

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Profile

Undergraduate Information Systems student at Universitas Multimedia Nusantara with a focus on Big Data, AI, and Data Analysis. Skilled in predictive analytics, data visualization, and translating complex datasets into actionable insights. Actively seeking internship opportunities as a Data Analyst, Data Scientist, or Data Engineer to apply analytical skills, contribute to data-driven decision-making, and gain hands-on industry experience.

Education

Information System, *Universitas Multimedia Nusantara* 2023 – 2027

- Relevant coursework: Database Systems, Big Data Analytics, Machine Learning, Data Visualization, Web Development.
- Academic Achievement: GPA: 3.7/4.00 (Cumulative) | Recent Semester GPA: 3.97/.00
- Activities: Laboratory Assistant for Database Systems, active participation in machine learning competitions and data-related projects.

Experience

Database Systems Laboratory Assistant, *Universitas Multimedia Nusantara* 02/2025 – 06/2025
Banten, Indonesia

- Assisted in conducting laboratory sessions for Database Systems.
- Taught students the fundamentals of SQL, including data definition, data manipulation, and query operations.
- Guided students in using aggregate functions and advanced SQL queries for data analysis.
- Introduced and explained database normalization concepts up to the 3rd Normal Form (3NF).
- Provided hands-on mentoring and troubleshooting during lab sessions to ensure student comprehension.

Projects

BBCA Stock and Bitcoin 12 Month Price Forecasting with TimesNet 07/2025 – 08/2025

- Developed a time series forecasting model using TimesNet to predict BCA (BBCA) stock prices and Bitcoin (BTC) trends.
- Collected and processed historical financial data for model training and evaluation.
- Achieved accurate short-term predictions by leveraging deep learning techniques for sequential data.
- Technologies used: Python, PyTorch, TimesNet, Pandas, Matplotlib, and Seaborn.

Plant Disease Detection with Residual Network 50 (ResNet50) 06/2025 – 07/2025

- Built a deep learning model (ResNet architecture) to classify plant diseases across 15 categories, including tomato, potato, and pepper plants.
- Achieved 93% accuracy in detecting diseases such as bacterial spot, early blight, and leaf mold.
- Developed a user-friendly web application for real-time prediction and visualization of plant health. Technologies used: Python, PyTorch, TensorFlow/Keras, Flask, ResNet, and OpenCV.

Brain Disease Detection with Support Vector Machine (SVM) 08/2024 – 12/2024

- Built a machine learning model (Support Vector Machine) to detect 3 brain disease.
- Achieved 98% accuracy in detecting diseases such as brain tumor, aneurysm, and cancer.
- Developed a user-friendly web application for real-time prediction. Technologies used : Python, PyTorch, TensorFlow/Keras, Flask, SVM, and OpenCV.

Skills

Programming & Data

- Python (Pandas, NumPy, Scikit-learn, TensorFlow/Keras, PyTorch)
- SQL (MySQL)

Machine Learning & AI

- Supervised & Unsupervised Learning (Regression, Classification, Clustering)
- Deep Learning (CNN, RNN, ResNet, TimesNet)
- Time Series Forecasting & Predictive Analytics

Soft Skills

- Analytical thinking & problem-solving
- Communication (explaining insights to technical & non-technical audiences)
- Teamwork & collaboration
- Adaptability & eagerness to learn

Data Visualization

- Tableau, Power BI, SAS Visual Analytics
- Matplotlib, Seaborn

Big Data & Tools

- GitHub, Jupyter Notebook
- Flask, Streamlit (model deployment & dashboard)

Language

Indonesia
Native

English
Intermediate