Indra Wijaya

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PROFESSIONAL PROFILE

Graduate of **Informatics – Bhayangkara University Jakarta Raya (GPA 3.61)** specializing in **Data Science, Machine Learning, and Business Intelligence**. Experienced in data analysis, predictive modeling, and interactive dashboard development. Highly analytical, adaptable, and passionate about **AI and data-driven innovation**.

SKILLS OVERVIEW

Programming Languages: Python, SQL
Data Tools: Pandas, NumPy, Scikit-learn, TensorFlow, Keras
Visualization: Looker Studio, Matplotlib, Seaborn
AI Tools: Hugging Face, Vertex AI, OpenRouter, Google AI Studio
Deployment: Flask, FastAPI
Others: Git, Google Colab, Data Cleaning, Feature Engineering, Statistical Analysis

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EXPERIENCE

Data Analyst Intern – PT Surveyor Indonesia *(Aug 2024)*

- Analyzed coal shipment data to identify inefficiencies in routes and truck operations.
- Developed **interactive dashboards** in Looker Studio for real-time logistics monitoring.
- Cleaned and processed large datasets to improve reporting accuracy.
- Generated data-driven insights to optimize transportation efficiency.

PROJECTS

Rainfall Prediction Using LSTM and Gemma 2 *(Final Thesis – 2025)*

- Built an **LSTM-based model** to predict daily rainfall in Bogor Regency using BMKG weather data.
- Utilized **Gemma 2 LLM** to generate narrative summaries of prediction results.
- Focused on **data-driven disaster risk mitigation**.

Churn Prediction Model

- Implemented multiple algorithms (Logistic Regression, Random Forest, XGBoost, LightGBM).
- Achieved **86.7% accuracy** using the XGBoost model.

Medical Cost Regression App (Deployed)

- Predicted medical costs using Linear, Lasso, and Ridge Regression (R^2 = 0.78).
- Deployed the best-performing model using **Flask API** for real-time predictions.

Customer Segmentation (RFM Clustering)

- Applied **K-Means Clustering** to segment customers based on behavioral data (Recency, Frequency, Monetary).
- Provided insights for data-driven marketing strategies.

House Price Prediction

- Processed 1460 training and 1459 test datasets.
- Achieved **R^2 = 0.83 (train)** and **R^2 = 0.81 (test)**.

EDUCATION & CERTIFICATIONS

Bhayangkara University Jakarta Raya – *Bachelor of Informatics* (2025)

- GPA: 3.61

Certifications:

- **Associate Data Scientist** – *LSP Informatika (BNSP)*
  Certificate No: 2398/CoC/LSP-INF/06/2024
- **Certified Independent Study (SIB)** – *GreatEdu Data Science Bootcamp*
  Kampus Merdeka | Cohort 6 | ID: 8735219