Wahyu Aji Nusantara

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About Me

Informatics AMIKOM student with specialization in Machine Learning and Web Development. Experienced in building frontend end applications using React.js, Next.js, JavaScript and TypeScript, and developing predictive analytics models. Currently actively seeking internships or entry-level positions in Data Science or Software Engineering to apply and develop skills in creating data-driven solutions.

Education

2022 - Now | Universitas Amikom Yogyakarta | Informatics   **2022 - Now**
IPK : 3.47 (Now)

Experience

Frontend JobMatcher AI | Github-JobMatcher | Personal Project   **11 May - 29 Jun 2025**

- Developed and implemented the entire UI from scratch using Next.js, React, and TypeScript, spanning over 10 dynamic pages and components.
- Building a consistent and modern design system with Tailwind CSS and shadcn/ui, applying Glassmorphism aesthetics and Neobrutalism elements to interactive components.
- Implement professional Git workflows (branching, merging, pull requests) to ensure efficient team collaboration and code integrity.

Customer Segmentation using K-Means Clustering | Personal Project   **16 Mar - 11 May 2025**

- Developed an unsupervised learning model to cluster audiences into 4 different segments based on their behavior and demographics.
- Applied the K-Means algorithm and used the Elbow Method to determine the optimal number of clusters, resulting in actionable insights for marketing strategies.
- Performed cluster data visualization using PCA (Principal Component Analysis) to make it easier to interpret the characteristics of each segment.
- Tech Stack: Python, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

Predictive Analysis of Instagram Influencer Performance | Personal Project   **1 Jun - 22 Jun 2025**

- Design and develop a full-stack web application to predict Instagram influencer engagement rates based on performance metrics.
- Built a backend using Python and FastAPI to serve pre-trained Scikit-learn regression models via a REST API.
- Developed an interactive and responsive dashboard frontend using React.js (built with CRA) and Tailwind CSS, allowing users to get real-time predictions.
- Integrated the frontend and backend to create a seamless workflow, from data input by users to the presentation of prediction results from machine learning models.

Technical Skills

- Programming Language: Python, Javascript, Typescript
- Web Development: React.js, Next.js, Tailwind
- Machine Learning: Scikit-learn, Pandas, NumPy, Matplotlib
- Design
- Tools : Git, GitHub, Google Colab, Jupyter Notebook, VS Code, Adobe, Canva, Figma