Safira Khoirulanisa Salsabila

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A 5th-semester student in the D3 Applied Statistics and Computing program at Semarang State University. Skilled in the data analysis life cycle, from data processing and Exploratory Data Analysis (EDA) to machine learning model development. Experienced in Python-based software development, including backend development and API integration to create functional applications.

Technical Skills

- **Programming Languages:**
  - Python (Advanced)
  - SQL (Intermediate)
  - Java (Basic)
  - HTML (Intermediate)
  - CSS (Intermediate)
- **Data & Machine Learning:**
  - Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, EDA, Feature Engineering
- **Backend & API:**
  - Flask, Telegram Bot API
- **Tools & Technologies:**
  - Git, GitHub, VS Code, Jupyter Notebook, Microsoft Excel, SPSS, PostgreSQL, DBeaver, R

Technical Projects

Analysis of Student Online Shopping Behavior (Machine Learning)

- Developed a machine learning model to analyze factors influencing online shopping decisions among students.
- Conducted comprehensive Exploratory Data Analysis (EDA) using Python, Pandas, and Seaborn to clean data and identify patterns.
- Built and evaluated several classification models (e.g., Logistic Regression) using Scikit-learn to achieve optimal prediction accuracy.

Telegram Finance Tracker Bot

- Designed and built a functional Telegram bot from scratch using Python and the Telegram Bot API.
- Implemented backend logic to handle user input, process transactions (income/expenses), and present data summaries.
- This project successfully validated skills in application development, API integration, and simple state management.

Education

D3 Applied Statistics and Computing

Semarang State University, 2023 - Present

- Relevant Coursework: Machine Learning, Software Engineering, Databases, Data Mining, Algorithms & Programming, Market Research.

Organizational Experience

Staff of Documentation Division - Rohis Al-Ikhlas SMAN 1 Toroh

2022-2023

- Managed digital assets and implemented an archiving system that improved asset retrieval efficiency by 30%.
- Collaborated with the team to produce visual content consistent with the organization's image.