

Vanness Christian Rulianto

Undergraduate Data Science student

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Profile

Undergraduate Data Science student with experience in SQL, Python, and dashboard development. Built client-facing dashboards during an internship at PT. IMS and developed projects in forecasting, API deployment, and visualization. Aspiring Data Scientist/Data Engineer eager to apply technical and analytical skills to real-world problems. Highly adaptable, curious, and motivated to continuously learn and grow in the data field.

WORK EXPERIENCE

Junior Developer (Intern), PT. IMS (Inovasi Mitra Sejati) 07/2025 – 08/2025

- Contributed to the development of a client-facing dashboard application for a multifinance company, supporting data-driven decision-making.
- Designed and optimized SQL queries to extract and process large datasets from the client's database, reducing manual reporting effort.
- Implemented interactive charts and visualizations using C# and Highcharts, enabling clearer insights for financial performance tracking.
- Collaborated in a -member dev team, applying Agile practices to deliver a functional and user-friendly dashboard prototype.
- Gained exposure to real-world client requirements in the financial services industry, strengthening both technical and business understanding.

Alam Sutera, Tangerang

Data Science Club - Public Relations Division & Event Committees 09/2023 – Present

- Strengthened external collaboration by coordinating 5+ media partnership deals with student organizations and external communities, boosting event visibility and attendance.
- Led fundraising initiatives as Person-in-Charge for Economic Funding, successfully secured additional funds to support organizational events and ensure financial reserves.
- Managed event logistics across multiple seminars and activities, including vendor sourcing, supply management, and operational setup, contributing to events with 50-200+ participants.
- Collaborated cross-divisionally to ensure smooth execution of organizational programs, enhancing both financial sustainability and community engagement.

PROJECTS

Airbnb Price Prediction & Interactive Dashboard (Ongoing)

- Built a machine learning model to predict seasonal Airbnb prices using historical booking and listing data.
- Conducted exploratory data analysis (EDA) with Matplotlib and Seaborn for feature engineering and insights.
- Developed an interactive dashboard with Streamlit + Plotly, enabling users to explore trends and test predictions dynamically.
- Delivered a full-stack data science project combining analysis, modeling, and deployment-ready visualization.

Model Deployment with FastAPI

- Developed and deployed a machine learning model using FastAPI, serving predictions via REST API endpoints.
- Created endpoints optimized for low-latency response and integrated testing for robustness.
- Strengthened skills in API design, deployment pipelines, and backend development.

Multivariable Time Series Forecasting

- Built forecasting models for multivariable datasets, handling data preprocessing, feature engineering, and missing value imputation.
- Evaluated model performance with RMSE and MAPE, improving accuracy with LSTM and ARIMA approaches.
- Gained hands-on exposure to forecasting applications in finance and operations.

EDUCATION

Bachelor of Computer Science (S.Kom), Major in Data Science, *Binus University* Jakarta, Indonesia
Relevant coursework: Database Systems, Machine Learning, Data Visualization, Statistics
Active member of Data Science Club (Public Relations & Event Committees)
Graduation 2027

SKILLS

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| • Scikit-Learn (Machine Learning) | • Plotly (Data Visualization) |
| • SQL (Data Extraction & Queries) | • ASP.NET |
| • FastAPI (model deployment) | • Streamlit (interactive dashboards) |
| • Git & GitHub | • Data preprocessing & feature engineering |
| • Exploratory Data Analysis (EDA) | • Predictive modeling & forecasting |
| • Dashboard design & visualization | • Team collaboration & communication |