Niken Larasati Winasih

Nikenyudhaa22@gmail.com | 0896-0149-1474 | linkedin.com/in/niken-larasati-winasih

EDUCATION

Indonesia Open University | Bachelor of Statistics | GPA 3.21 — *Jan 2021 - Sep 2025*

Darus Salam Vocational High School | Software Engineering — *Jun 2013 - Jun 2016*

EXPERIENCES AND INTERNSHIP

Data Entry & Reporting Support Internship | Central Bureau of Statistics (Kediri) — *Aug 2023 - Des 2023*

- Managed large-scale official statistics surveys requiring 100% data integrity.
- Executed rigorous data cleaning and consistency verification using specialized validation protocols to identify outliers and missing values.
- Ensured the accuracy of high-stakes regional survey data, contributing to the timely publication of official city-level statistical reports.

Data Scientist Virtual Internship| ID/X Partner via Rakamin Academy — *May 2022 - Jun 2022*

- Mitigate financial loss from loan defaults and optimize marketing spend.
- Developed a Credit Risk **Prediction Model using Python (Scikit-Learn)**; performed Feature Engineering to identify key risk drivers and segmented customers for targeted marketing.
- Produced a model capable of identifying high-risk applicants, providing a data-backed foundation for a new marketing strategy that prioritized low-risk, high-value customers.

PROFESSIONAL PROJECTS

Wine Quality Classification & ML Pipeline — *Nov 2025*

- Built an end-to-end Machine Learning pipeline to classify wine quality based on chemical properties using **PyCaret** for automated experimentation.
- Evaluated multiple models (**Random Forest, XGBoost, LightGBM**) and selected **CatBoost** as the top performer based on [mention a metric, e.g., F1-Score or Accuracy].
- Developed a robust **scikit-learn-compatible pipeline** to handle feature scaling, encoding, and model deployment, ensuring reproducible results and production-readiness.

StatEase — Hypothesis Testing App (Streamlit) — *Jan 2026*

- **Technical Stack:** Python, Streamlit, Pandas, Scipy, Statistics, python-pptx
- Developed an end-to-end Streamlit application to perform **automated hypothesis testing** from CSV input to statistical interpretation
- Implemented **dynamic test selection** (Independent t-test, Mann–Whitney U) based on data characteristics
- Designed a **PowerPoint export module** to generate presentation-ready statistical results, enabling direct use in business and reporting workflows

Business Analytics Project: Sprocket Central Co. (Virtual Internship via the forage) — *Apr 2023*

- Analyzed customer and transaction data for a bicycle company to identify growth opportunities.
- Developed a comprehensive Tableau dashboard tracking KPIs like **Margin Ratio**, **Wealth Distribution**, and **Demographic Trends** across 5+ brands.
- Derived 6 key business insights, including identifying "Mass Customers" as the most profitable segment and NSW as the primary market, enabling targeted resource allocation.

Airbnb NYC Market Analysis (Tableau) — *Nov 2025*

- Designed a comprehensive, interactive dashboard analyzing 48,000+ listings.
- **Key Tech:** Heatmaps, Geographic Mapping, and Time-Series Forecasting.
- Improved UI/UX from standard templates to enhance stakeholder readability and insight discovery.

LICENCES AND CERTIFICATIONS

Data Science Bootcamp, Shift Academy (2020)

Excel Skills for Business: Essentials, Macquarie University via Coursera (2022)

Data Analytics Virtual Experience Program , KPMG via Forage (2023)

ADDITIONAL

Languages : Bahasa Indonesia (Native); English (Intermediate) ; Mandarin (Basic)

Technical Skills : Python (Pandas, NumPy, Scikit-Learn), SQL (PostgreSQL, Mysql), R, PHP, HTML

Tools & Platforms : Tableau, Streamlit, Microsoft Excel (Advanced), Google workspace, Git/GitHub, Notion, Canva

Data Science : Exploratory Data Analysis (EDA), Hypothesis Testing, Feature Engineering

Modeling : Regression, Classification, Clustering, Model Evaluation (AUC-ROC, F1-Score)

Soft skills : Quick Learner, Responsibility and Accountability, Teamwork, Analytical thinking, problem-solving, Empathy