Keyla Faristha Rindani

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SUMMARY

Data Science student at Bina Nusantara University with experience in machine learning, data analysis, and AI development. Currently working as a Data Scientist Intern at Bank BNI, where I work on data-driven projects and AI solutions for real business problems.

EDUCATION

Bina Nusantara University - Bachelor of Data Science

Faculty of Computer Science | GPA: 3.65 / 4.00 **August 2023 - Present**

- **Relevant Coursework:** Basic Statistic, Database Technology, Big Data Infrastructure and Technology, Data Management and Organization, Machine Learning, Deep Learning, Data Mining and Visualization, Model Deployment, Scientific Computing, Survey and Sampling Methods, Text Mining, Artificial Intelligence.

WORK EXPERIENCE

Bank Negara Indonesia (BNI) **Feb 2026 - Present**

Data Scientist Intern

- **Propensity Model:** Developed a customer propensity model with 77 engineered features to predict multicurrency product adoption, processing 43M+ records with advanced sampling techniques to handle severe class imbalance.
- **ATM Cash Demand Forecasting & Optimization:** Built a time-series forecasting model to predict 7-day ATM cash demand and recommend optimal cash replenishment based on historical demand, ATM location, and denomination patterns.
- **Branch Optimization Analysis:** Developed YOLO computer vision model with PostgreSQL database and Python backend, built custom HTML dashboard for real-time queue monitoring to optimize teller allocation and improve branch operational efficiency.
- **Branch Queue Intelligence:** Created FastAPI API for finding nearest branches using geocoding and KD-Tree optimization, deployed on Google Cloud Run to handle 489 branch locations.

ORGANIZATION EXPERIENCE

Himpunan Mahasiswa Teknik Informatika (HIMTI)

Manager of Publication & Marketing Jakarta X Semarang **Jan 2025 - Mar 2026**

- **Leadership & Team Management:** Led and supervised a 90 activists marketing team to execute consistent publication strategies, resulting in unified branding and communication across HIMTI Jakarta and Semarang.
- **Social Media Management:** Oversaw content development and audience engagement, growing followers to 6,000+ on Instagram, 2,300+ on X, 7,500+ on Facebook, 1,000+ on LinkedIn, and 200+ on TikTok.

Executive Member at Public Speaking Team (PST) **July 2024 - Mar 2026**

- **Event Hosting:** Successfully hosted 7+ HIMTI events as MC, including AWS Community Day Jakarta (500+ professionals) and ICPC Asia Jakarta Regional Contest (200+ international participants).

PROJECTS

Churn Prediction ML Models Comparison | Python, scikit-learn

- **Data Analysis & Model Development:** Conducted exploratory data analysis, data preprocessing, and feature engineering; developed Kmeans, Random Forest, and Logistic Regression models achieving 85%+ accuracy with feature importance analysis.

Sales and Customer Dashboard | Tableau, Python

- **Data Visualization & Insights**: Built interactive Tableau dashboard analyzing sales, profit, and customer data from 2020-2023, identifying trends across product categories and performance patterns.

Lung Prediction | Python, scikit-learn

- **Model Development & Evaluation:** Developed and compared four predictive models (XGBoost, Random Forest, Logistic Regression, KNN) for lung disease prediction with >95% accuracy.

Investment Realization Analytics - Indonesia 2025 | Python, scikit-learn

- **Business Intelligence:** Analyzed investment data across 38 provinces and 4 business segments to identify regional economic trends and strategic insights for credit expansion strategy.

SKILLS

Soft Skills: Public Speaking, Leadership, Time Management, Communication, Team Work, Problem Solving, Adaptability.
Tools: Google Cloud Platform, Docker, PostgreSQL, Hadoop, n8n, Tableau, Visual Studio Code, Google Colaboratory, Jupyter Notebook, Github, Microsoft Office, OpenWebUI, Openclaw.
Hard Skills: Programming Languages (Python), Data Analysis and Visualization (SQL, Tableau, Power BI), Data Preparation and Cleaning, Machine Learning and Deep Learning Models, Model Deployment (FastAPI, Streamlit), Natural Language Processing, Computer Vision, Web Scraping, Forecasting.
Languages: Indonesia (Native), English (Intermediate).