RYAN BESTO SARAGIH

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Tangerang, Indonesia

Data-Focused Computer Science Student with strong expertise in Data Engineering, MLOps, and Cloud Computing. Proven track record of building end-to-end machine learning systems, from architecting scalable ETL pipelines to deploying production-ready models. Passionate about bridging the gap between software engineering and data science to build reliable, high-impact systems.

EXPERIENCE

VINIX7 (MSIB) - Remote, Indonesia   Aug 2025 - Dec 2025
Junior Data Scientist
- Participated in a rigorous, semester-long MSIB program focused on the end-to-end data science workflow.
- Conducted advanced Exploratory Data Analysis (EDA) and data wrangling on complex datasets using Python (Pandas, NumPy).
- Developed a final capstone project solving a real-world business problem, implementing statistical analysis and data visualization best practices.

ID/X Partners - Remote, Indonesia   Jun 2025
Data Engineer Intern (Project-Based)
- Architected and built an end-to-end ETL pipeline using Talend to integrate 8 disparate data sources (SQL, CSV, Excel), performing complex data cleansing and deduplication.
- Designed a centralized Data Warehouse using Star Schema in SQL Server, creating a "Single Source of Truth" for banking analytics.
- Automated critical financial reporting by developing optimized T-SQL Stored Procedures, reducing report generation time significantly.

EDUCATION

Universitas Negeri Surabaya - Surabaya, Indonesia   Aug 2023 - Jul 2027 (Expected)
S1 Computer Science, 3.80/4.00
- Key Coursework: Data Structures & Algorithms, Artificial Intelligence, Database Systems, Software Engineering

ORGANIZATION EXPERIENCE

Naposo HKBP Surabaya - Surabaya, Indonesia   Apr 2024 - Present
Information & Communication Staff
- Managing the organization's digital ecosystem, including end-to-end Instagram content creation which achieves consistent engagement (200+ avg views).
- Designed 10+ digital promotional materials (flyers) for community events, enhancing visual communication standards.
- Responsible for the timely dissemination of weekly schedules and information to a community of 50+ members.

Google Developer Group on Campus - Universitas Negeri Surabaya - Surabaya, Indonesia   Apr 2025 - Jun 2025
Event Logistic Committee
- Coordinated end-to-end logistics for "Tech Talk Series #4: AI x Business," ensuring equipment readiness for 100+ attendees.
- Conducted vendor research and negotiations, successfully reducing procurement costs by 15–20% below the allocated budget.
- Managed inventory control for critical event assets, ensuring zero loss and smooth operational flow during the event.

SKILLS, PROJECTS, AND CERTIFICATES

- **Skills**: SQL, Python (Pandas, Scikit-learn), R & RStudio, Microsoft Excel (Pivot Tables), Statistical Analysis (SPSS), Data Visualization, Database Design, ETL, Data Warehousing, SQL Server, Talend, C++, Git & GitHub, Problem Solving.
- **(Project) DATAION | Full-Stack MLOps & Data Contract Platform** ⊘ (2025): Engineered a full-stack MLOps platform to solve production failures caused by schema drift, implementing strict Data Contracts.
- **(Project) SmartConvert | AI-Powered CRM with Explainable AI (XAI)** ⊘ (2025): Built an intelligent CRM system to optimize banking sales by predicting lead conversion probability using FastAPI and React.
- **(Project) End-to-End Customer Churn Prediction Platform** ⊘ (2025): Architected a complete data lifecycle solution on Google Cloud Platform (GCP) using dbt for transformation and Streamlit for deployment.
- **(Certificate) Arizona State University - Cloud, Machine Learning & Security Academy** (2025)
- **(Certificate) Intermediate Data Science - Ministry of Communication & Informatics (DTS Kominfo)** (2025)
- **(Certificate) Alibaba Cloud - Generative AI – Alibaba Cloud Model Studio & Qwen** (2025)
- **(Certificate) freeCodeCamp - Back End Development and APIs** (2025)