FAJRI ARDIANSYAH

DATA SCIENTIST

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Data Scientist specializing in machine learning and automation across various domains. Experienced in predictive modeling, data engineering, and AI-driven tools to enhance decision-making. Passionate about optimizing workflows using SQL, Python, and Tableau. Skilled mentor and trainer with a proven track record of bridging academic knowledge with real-world applications. Additionally, I co-founded Stageholder, a side venture focused on asset management applications, where I lead sales and contribute to development.

SKILLS

- **Programming & Analytics**: Python, R, SQL, KNIME, Tableau
- **Data Engineering**: Database Management, ETL Pipelines, Data Processing
- **Machine Learning**: Time Series Prediction, LSTM, Hydrology Modeling, AI Agent
- **Visualization & Reporting**: Dashboard Development, Report Automation

WORK EXPERIENCE

Sep 2024 – Present

Data Scientist, Indonesia's Ministry of Public Works (Kementrian Pekerjaan Umum)

- Design and manage databases for dam monitoring, ensuring efficient data storage and retrieval.
- Develop automation pipelines for hydrology and hydraulic models to streamline analysis and reporting.
- Build machine learning models to predict dam water levels, enhancing decision-making for water resource management.
- Develop an AI chatbot agent that allows stakeholders to interact with databases and retrieve relevant data through natural language queries.
- Generate daily infographic summaries to provide real-time updates on dam status for stakeholders and decision-makers.

Mar 2024 – Present

Co-Founder & Sales Lead (Side Project), Stageholder

- Created a startup focused on developing an asset management application for tracking company assets efficiently.
- Led sales and business development, securing initial clients and expanding market reach.
- Collaborated with developers to design and improve asset tracking features in the application.
- Managed partnerships and negotiations to drive adoption of the solution in corporate environments.
- Secured 3 pilot clients, resulting in early adoption of the platform.

Sep 2024 – Jan 2025

Data Science Vocational Trainer (Freelance), Cakap

- Mentor students by providing guidance on technical challenges, problem-solving strategies, and best practices.

- Offer insights from a professional perspective to bridge the gap between academic learning and industry applications.
- Provide one-on-one and group mentoring for final projects, ensuring students apply their knowledge effectively in real-world scenarios.
- Evaluate student progress by grading assignments, projects, and practical exercises while providing constructive feedback to enhance their understanding and skill development.

Mar 2022 – Aug 2024

Trainer and Technical Syllabus Specialist, Cybertrend Data Academy

- Crafted detailed training materials to ensure optimal delivery of content.
- Conducted research on learning materials to stay updated with current industry trends.
- Orchestrated a tournament and seminar for the data science community, attracting nearly 1000 participants on every event.
- Specialized in delivering training on SQL, Python, R, KNIME, and Tableau.
- Consistently delivered impactful training sessions, garnering an average feedback rating of 4.7 out of 5.

EDUCATION

May 2021 – Aug 2021

Rakamin Bootcamp, Data Science Program

- Acquired expertise in SQL, Python, and statistical methodologies to analyze data from data understanding to the evaluation machine learning model.
- Improved the abilities related to emotional intelligence from the empathy engineering class.

Jun 2016 – Oct 2020

Institut Teknologi Bandung, Faculty of Earth Science and Technology

- Majoring in Geodesy and Geomatics Engineering
- GPA: 3.39

CERTIFICATIONS

Feb 2022

CompTia Data+, CompTia

Validated expertise in data analytics, including data mining, data visualization, and statistical analysis. Demonstrates proficiency in data management, governance, and data-driven decision-making to support business objectives.

Oct 2022

Tableau Desktop Specialist, Tableau

Demonstrates foundational knowledge and skills in Tableau Desktop, including data connections, visualization building, and dashboard creation. Validates the ability to explore, analyze, and present data effectively using Tableau's core functionalities.

Sep 2022

BNSP Certified Assessor of Competence, Badan Nasional Sertifikasi Profesi

Attained comprehensive certification as a Competence Assessor from Indonesia's National Professional Certification Authority (BNSP). Specialized in evaluating and validating competencies in the field of Data Science.