Muhammad Arif Budiman

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About me

Data Analyst & Data Scientist with 3+ years of experience in analytical dashboard automation, forecasting models, and AI-driven data insights. Skilled in Python, SQL, Machine Learning, Computer Vision, and ETL pipelines. Experienced collaborating with engineering teams to deploy AI-powered reporting systems and scalable data solutions. Currently advancing specialization in AI Engineering focused on Computer Vision and Machine Learning deployment. I am highly motivated to keep learning, think critically, and leverage data and artificial intelligence to create impactful innovations.

Experience

Data Analyst | Data Scientist

PT eBdesk Teknologi

Bintaro, May 2022 - Present

• Conduct Social Network Analysis (SNA) using social media data to uncover relationships, influence patterns, conversation clusters, and key insights.

• In charge and maintenance of the company's internal application for static asset data management. Collaborated with Fronted and Backed End teams as well as participated in building the application data pipeline.

• Research related to the relevance value of a social media account to a topic. This research aims to assess the minimum value of an account's contribution to a trend that is being discussed on social media. Even if the account is not an influencer account, the account has a contribution to the trend that is being discussed even though it is not necessarily interesting in terms of engagement.

• Assistant project leader of the app builder for analytics dashboards and automated reports, including architecture pipeline data. Broadly speaking, being a bridge between developers and the media reporting team in developing internal office automated report applications that rely on generative AI.

• Analytical research related to projects on potential losses that occur in the Indonesian e-commerce market place, Indonesian security (providing analysis to several agencies related to Indonesian security) delivered in the form of an analytical dashboard using generative AI technology.

• Forecasting crime value with SARIMA model. Collaboration with the Indonesian National Police to forecast the crime value on a daily basis with several indicators. Monitoring pipeline data forecasting with AI and Data Engineering division

• Creating customized dashboards for clients on a daily basis data social media and news media with some customized analysis from the client's perspective with AI technology about opinion public and sentiment. Including monitoring the path of data from various sources then entered into the database, performing aggregation queries or other transformations needed for implementation in the dashboard itself.

Education

Bachelor Degree of Electrical Engineering Education

Indonesia University of Education • Kota Bandung, Jawa Barat

1. Graduated with Cum Laude Predicate 3.59 GPA
2. Thesis Title: Augmented Reality Development to Support Basic Electrical and Electronic Engineering
Subjects at SMKN 4 Bandung

Training and Certification

Indonesia AI

Computer Vision Specialist (On Going):

- Python for Programming Data Science and AI
- Machine Learning. Project: Boston House Prediction (https://github.com/MuhArifBudiman/Boston-House-Prediction)
- Basic CNN Classification. Project: Face Recognition (https://github.com/MuhArifBudiman/Face-Recognition)
- Object Detection. Project: Person Tracking using YOLO (https://github.com/MuhArifBudiman/Object-Detection-Tracking)

Rakamin Academy

Data Science: Machine Learning (2022):

- Completed Bootcamp Data Science Batch 16 with Good Grade
- Final Project: Used Car Price Model Machine Learning Prediction
- Link Project: https://github.com/MuhArifBudiman/Car-Used-Price
- The Best Group of Final Project
- In this final project, I was tasked to take a machine learning random forest model with an R2 score matrix with has a value of 0.8

Skills

- Core Competencies:
1. Analytical and Statistical
2. Visualization
3. Understanding Data Pipeline
4. ETL
5. Machine Learning
6. Computer Vision
7. Git
8. Project Coordinator
9. Reporting

- Techincal Skills:
1. Python with frameworks: Pandas, Numpy, Scikit-learn, Streamlit, Torch, YOLO, Tensorflow, Fast API
2. Database: PostgreSQL, MongoDB, Elasticsearch, Click House
3. Other: Excel, Microsoft Excel, Office, and Power Point

Languages

English (Professional)