MUHAMMAD IMAM ARIQ SYA'BANA

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Aspiring Python Developer, combining hands-on experience in full-stack web development with a solid knowledge of computer science. Experienced in building deep learning models using large-scale image, time series, and natural language datasets. Skilled in problem-solving and state-of-the-art technologies such as TensorFlow to implement innovative solutions. Ready to deploy deep learning models in the form of web application for data-driven decision-making. A collaborative individual, capable of working effectively in team-oriented environment. Committed to continuous learning and self-growth.

EDUCATION

Bangkit Academy   Feb 2023 – Jul 2023
Machine Learning Path
Universitas Islam Negeri Sunan Kalijaga   Sep 2020 – Nov 2024
Informatics, Bachelor Degree. GPA: 3.84/4.00 (158 credits).
ID Camp 2024 (Expert Level)   April 2025 – Mei 2025
Data Scientist Learning Path
SMA Negeri 1 Tambun Selatan (Natural Science)   2017 – 2020

PROJECT

Universitas Islam Negeri Sunan Kalijaga
Time Series Forecasting   Feb 2024 – July 2024
- Gather stock prices of the Nikkei 225 from its official website with web scraping tools such as Selenium.
- Build deep learning models such as CNN, LSTM, bidirectional LSTM, stacked LSTM, and CNN-LSTM for time series forecasting of Nikkei 225 stock prices.
- Choose the best-performing deep learning model among CNN, LSTM, bidirectional LSTM, stacked LSTM, and CNN-LSTM for forecasting the pseudo-future of the Nikkei 225 stock prices. Then, implement this model using the DirRec and direct forecast strategies to forecast the real future of Nikkei 225 stock prices.

Flask Movie Library
- Developed a full-stack web application for managing a personal movie library. The application integrates the TMDb API, allowing users to search for movies and automatically populate their library with official data like descriptions and posters. Leveraging Flask-SQLAlchemy, the app provides full CRUD capabilities, enabling users to add, update, and manage custom ratings and reviews for each movie stored in their personal database.

Bangkit Academy – Machine Learning Path
Image Classification   May 2023 – Jul 2023
- Create an innovative Android app that helps users take better care of their skin. By uploading a picture of their face, users can receive valuable insights into their skin type whether it's normal, dry, oily, sensitive, or combination through machine learning-based predictions. The app utilizes TensorFlow and Google Cloud Platform (GCP) to process the uploaded image and provide personalized skincare recommendations.

ORGANIZATIONAL EXPERIENCES

Pusat Layanan Difabel Universitas Islam Negeri Sunan Kalijaga   Oct 2023 – Mar 2024
Secretary
- Drafted and compiled proposals for organizational events and programs, ensuring that all requirements were addressed.
- Wrote final reports for organizational events and programs while maintaining necessary details included.
- Composed official letters and announcements to obtain permissions and approvals from relevant authorities for organizational affairs.

SKILLS, LANGUAGES & Certification

Technical Skills: Python, CNN, RNN (LSTM, GRU, Bidirectional RNN), SQL, DBS (SQLite), ORM (SQL Alchemy), Artificial Neural Network Development (scikit-learn, keras & TensorFlow), NLP, Computer Vision, Time Series Forecasting, Data Analysis, Data Visualization (Matplotlib, Seaborn, and Streamlit), Data Manipulation and Calculation (Pandas and Numpy), VCS (Git), Notebooks (Jupyter & Colab), Model Deployment, Metabase, Supabase, Mathematics and Statistics (linear algebra, calculus), Supervised Learning (Classification), Unsupervised Learning (Clustering), Binary and Multi-class classification, Flask, Flask-WTF, Bootstrap 5, HTML, CSS, Jinja.
Soft Skills: Teamwork, Management, Critical Thinking, Problem Solving, Leadership, Communication.
Languages: Indonesian (Native), English, Japanese (JLPT N4 Level).
Certification: TensorFlow Developer Certificate, Bangkit 2023 Batch 1 Certificate of Completion.