Jonathan Lexi Febrian Sitohang

Passionate in Programming, Data & AI

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ABOUT ME

A freshgraduate of Universitas Sumatera Utara with a GPA of 3.71 in computer science who is interested in Data and AI algorithms. Good in problem-solving, collaboration and effective communication, with a love of learning and a dedication to creativity in tackling real-world problems

EDUCATION

Universitas Sumatera Utara | 2020-2024

Computer Science

SKILLS

- Programming/Query (Python, SQL)
- AI modelling (Pytorch, Tensorflow, Langchain)
- Data visualization (Power BI, Matplotlib, Seaborn)
- Deployment (Flask, FastAPI, Streamlit
- Version control (Github, Git)
- Verbal and written communication skills
- Ability to work independently and as part of a team

LANGUAGES

- Indonesia – Proficient
- English – Intermediate

WORK EXPERIENCE

Data Management | Juni 2023 - Juli 2023

Telkom Indonesia

Medan, Sumatera Utara, Indonesia · On-site

- Collaborate with the team to input and synchronize ODP data from DashboardFullFillment application into spreadsheet.
- Developed a document filling automation program using Google Apps Script to speed up the filling of data povided by field operators via Telegram chatbot into Google Sheet. The impact of this project is reduce user leading time to process document manually into automatically, as a developer I also maintenance and show user how to use this program.

ORGANIZATIONAL EXPERIENCE

Finance and Business Division | Juni 2023 - Juli 2023

Ikatan Mahasiswa Ilmu Komputer (IMILKOM)

Universitas Sumatera Utara

- Work together as a team to identify suitable design concepts that are suited to the requirements of campus people, but especially students, and actively participate in the development of product designs that maintain quality standards and represent the organization's identity.

PROJECT EXPERIENCE

Optimization Of Multi-Layer Perceptron Neural Network Using Particle Swarm Optimization And Genetic Algorithm For Predicting Food Security In North Sumatera To Support Sustainable Development

Graduate Project | Python, Pytorch, Streamlit

- Developed an MLP model to predict food security in North Sumatera, optimized using GA and PSO. GA achieved lower MSE (475.59) and faster training time (156.62s) compared to PSO (MSE: 779.96, time: 174.92s).
- Developed a web application using Streamlit to deploy the optimized MLP model for prediction