KASIMIRUS DERRYL ODJA

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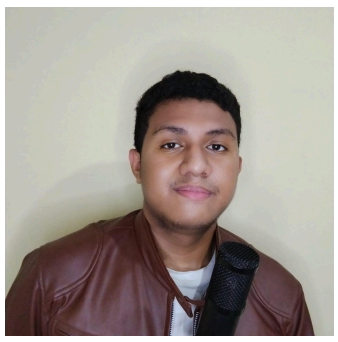

I'm a **Data Scientist** & **ML Engineer** with 1 year of experience. I'm specializing in Intelligent Systems and Data Science. I honed my skills with some ML/DL, NLP & LLM projects, applied analytical thinking to data, visualization, and statistics to solve complex problems, contributed to the creation of a paper titled "Mental Illness detection using Sentiment Analysis in Social Media" as well as presenting it at the 9th International Conference on Computer Science and Computational Intelligence 2024. I want to explore my skills and get more experience in my specialized fields. I am now seeking to expand my expertise in Machine Learning and Data Science to further enhance my skills and contribute to innovative research and projects.

EDUCATION

BINA NUSANTARA UNIVERSITY (2022-2026)

(Computer Science) (IPK 3.45/4.0)

TRAINING & COURSES

- **Advanced Machine Learning Analysis for Marketing: (**Cognitive Class**)** - October 2024
- **Building and Fine Tuning a Simple GPT Model - Workshop for AI Beginners: (**PT. Teknologi Artifisial Indonesia**)** - September 2024
- **Belajar Dasar Data Science: (**Dicoding Indonesia**)** - September 2024
- **Belajar Dasar Visualisasi Data: (**Dicoding Indonesia**)** - October 2024
- **Getting Started with Machine Learning with PyTorch: (**Cognitive Class**)** - October 2024
- **Building Transformer-Based Natural Language Processing Applications: (**NVIDIA**)** - October 2024
- **Prompt Engineering for Everyone**: (Cognitive Class) - November 2024

ORGANIZATION

- **Front-End Developer** - KOMSOS Paroki Kosambi Baru (July 2024 - Present)
  - Collaborate with the team to create the Paroki Kosambi Baru website
  - Mapping the entire church area with Google My Maps

- **Public Relation Division** - UKM Band Binus (April 2023 - Present)
  - Collaborate & assist organizations in promoting UKM to new students at EXPO BINUSIAN 2023.
  - Perform at EXPO BINUSIAN 2023 and Pacific Garden Square as a vocalist and pianist

CERTIFICATION

- **Certificate of Oral Presentation - (**The 9th International Conference on Computer Science and Computational Intelligence**) -** August 2024
- **Certificate of Appreciation - (**The 9th International Conference on Computer Science and Computational Intelligence**) -** August 2024
- **Finalists in the Microsoft AI for Accessibility Hackathon - (**Microsoft ASEAN AI for Accessibility "AI4A" Hackathon**) -** June 2024

PROJECTS

- **EduPredScore**: A simple Machine Learning application that can predict student scores based on several interrelated features. Through the application of regression concepts in machine learning, aim to provide users with predictions and insights regarding their educational performance. *Tools: Python, Scikit-Learn.*
- **Mental Illness Detection with Sentiment Analysis**: NLP project focusing on classifying five key categories: addiction, anxiety, autism, depression, and schizophrenia. I employed a comparative approach, evaluating the effectiveness of various Machine Learning and Deep Learning models. *Tools: Python, Scikit-Learn, TensorFlow, Keras, NLTK.*
- **Speech Emotion Classification**: Building a CNN, LSTM, CLSTM models to classify 5 categories emotions (angry, disgust, fear, happy, neutral) from CREMA-D with the highest accuracy of 83% using CLSTM models, Using feature extraction techniques like MFCC and data augmentation, along with training and evaluating the models on the processed dataset. *Tools: Python, Scikit-Learn, TensorFlow, Keras, Librosa.*
- **Web Lingkungan Maria Goreti**: Web Lingkungan Maria Goreti provides comprehensive information about the Maria Goreti community and its activities. *Tools: NextJS, TailwindCSS.*
- **Simple RAG & Chatbot with Llama 3.2**: This project implements a retrieval-augmented generation (RAG) chatbot using Llama 3.2. The flow begins with a user's question, which is embedded using the OLLAMA embedding model. The embedding is compared to data stored in a FAISS vector database using cosine similarity to retrieve the most relevant context. This context is then passed to Llama 3.2, which generates the final response based on the retrieved information.

SKILLS

- **Softskill:** English, public speaking, team work, team leader, and project management
- **Hardskill:**
  - **Machine Learning & Deep Learning:** Numpy, Scikit-Learn, Pytorch, Tensorflow, Keras, MLFlow
  - **NLP & Computer Vision:** NLTK, OpenCV
  - **Data Science & Data Analyst:** Numpy, Pandas, Seaborn, Matplotlib, Tableau
  - **Front-End Developer:** NextJS, TailwindCSS, ReactJS
  - **Programming Language:** Python, Java, C/C++, TypeScript
  - **Database:** MySQL, SQLite
  - **Tools:** Git, Figma, Visual Studio Code, Android Studio