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LinkedIn, Github

PRACTICAL EXPERIENCE

Personal Project | *Machine Learning Engineer*

- Developed a Sentiment Analysis system using NLP techniques and the Logistic Regression algorithm to classify customer reviews.
- Built a supervised learning model to classify AI-generated vs. human-written text using NLP preprocessing
- Created an AI-powered customer service Café Chatbot leveraging LLM (Ollama) and RAG (Retrieval-Augmented Generation) for real-time, context-aware customer interaction.

SKILLS

- **Programming Languages:** *Python, C++*
- **Database:** *MySQL*
- **Python Libraries:** *Numpy, Pandas, scikit-learn,*
- **Tools:** *Jupyter Notebook, Google Colab*

PROJECT SECTION

AI Customer Service Chatbot | *Flask, LangChain, Ollama, MySQL*

- Built an interactive chatbot capable of responding to customer queries using Retrieval-Augmented Generation (RAG).
- Integrated database for dynamic menu retrieval and order processing.
- Improved response accuracy by 25% through optimized embedding and chunking pipeline.

Sentiment Analysis System | *Logistic Regression, NLP*

- Achieved 80% accuracy in binary sentiment classification using TF-IDF features.
- Integrated the model with a **Flask backend** and a **frontend UI** built using HTML, CSS, and JavaScript.
- Implemented **interactive data visualization** (charts & statistics) to display sentiment distribution and performance metrics in real-time.

AI Text Classifier | *Human vs AI*

- Developed model using supervised learning to classify human vs AI-generated text.
- Applied advanced NLP techniques to detect stylistic patterns in generated content.

EDUCATION

Bachelor of Informatics Engineering(On Progress):

- **Malang State University |** *Indonesia* **2024 - Present**

Certifications:

- **IBM |** *Machine Learning With Python* Online| **02/09/2025**
- **HackerRank |** *Test Python(Basic)* Online| **13/09/2025**