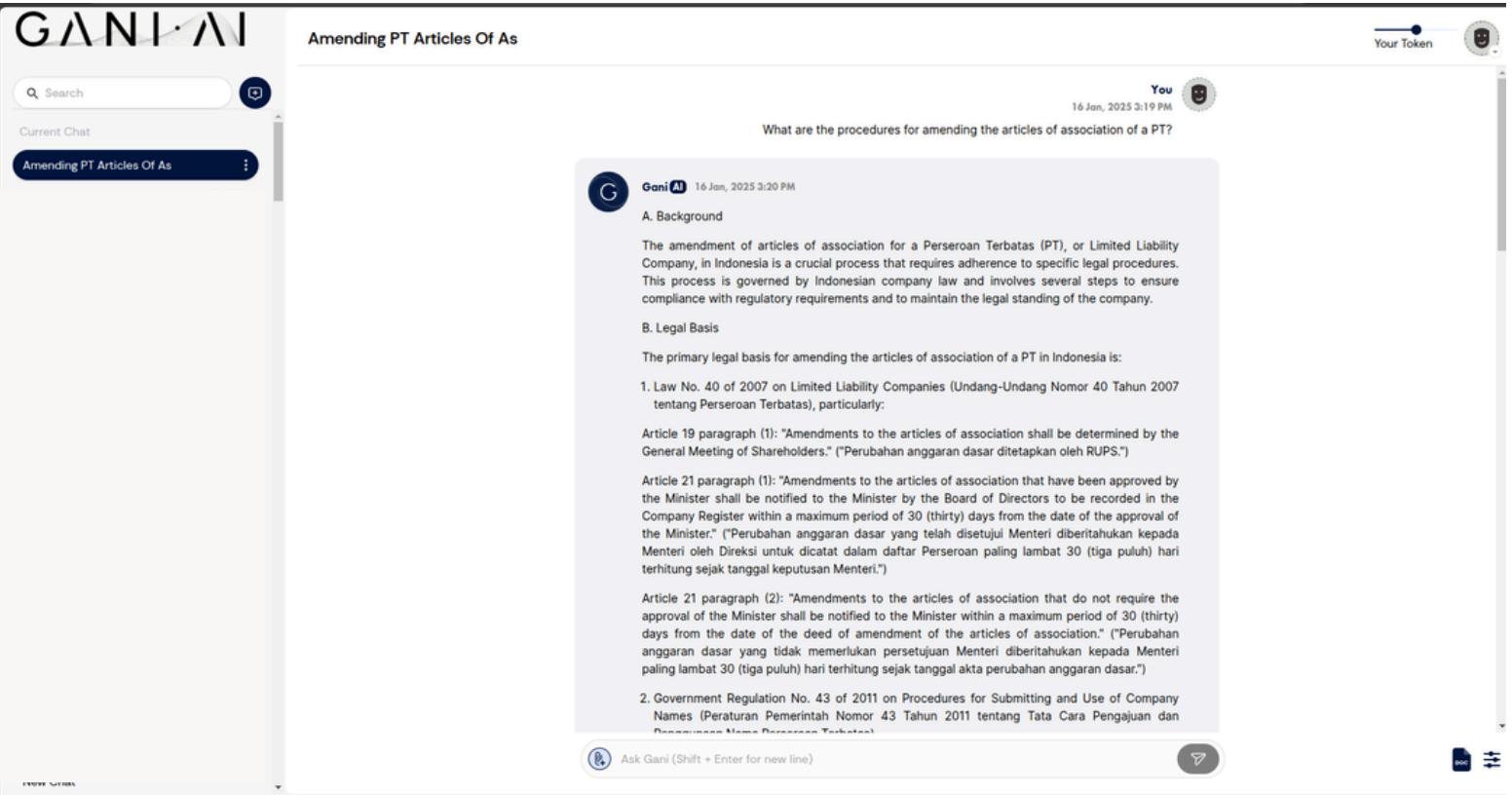


GANI.AI (LAWYER CHATBOT)



The screenshot shows a GANI.AI chat interface. The user asks, "What are the procedures for amending the articles of association of a PT?" GANI AI responds with a detailed explanation:

A. Background
The amendment of articles of association for a Perseroan Terbatas (PT), or Limited Liability Company, in Indonesia is a crucial process that requires adherence to specific legal procedures. This process is governed by Indonesian company law and involves several steps to ensure compliance with regulatory requirements and to maintain the legal standing of the company.

B. Legal Basis
The primary legal basis for amending the articles of association of a PT in Indonesia is:
1. Law No. 40 of 2007 on Limited Liability Companies (Undang-Undang Nomor 40 Tahun 2007 tentang Perseroan Terbatas), particularly:
Article 19 paragraph (1): "Amendments to the articles of association shall be determined by the General Meeting of Shareholders." ("Perubahan anggaran dasar ditetapkan oleh RUPS.")
Article 21 paragraph (1): "Amendments to the articles of association that have been approved by the Minister shall be notified to the Minister by the Board of Directors to be recorded in the Company Register within a maximum period of 30 (thirty) days from the date of the approval of the Minister." ("Perubahan anggaran dasar yang telah disetujui Menteri diberitahukan kepada Menteri oleh Direksi untuk dicatat dalam daftar Perseroan paling lambat 30 (tiga puluh) hari terhitung sejak tanggal keputusan Menteri.")
Article 21 paragraph (2): "Amendments to the articles of association that do not require the approval of the Minister shall be notified to the Minister within a maximum period of 30 (thirty) days from the date of the deed of amendment of the articles of association." ("Perubahan anggaran dasar yang tidak memerlukan persetujuan Menteri diberitahukan kepada Menteri paling lambat 30 (tiga puluh) hari terhitung sejak tanggal akta perubahan anggaran dasar.")
2. Government Regulation No. 43 of 2011 on Procedures for Submitting and Use of Company Names (Peraturan Pemerintah Nomor 43 Tahun 2011 tentang Tata Cara Pengajuan dan Penggunaan Nama Perseroan Terbatas)

Ask Gani (Shift + Enter for new line)

What?

This project involved designing the AI layer and workflow orchestration for a legal document assistant system, enabling accurate legal reasoning, contract reviewing, and regulation retrieval powered by LLMs and custom-designed prompts. The system supports a multi-step processing pipeline tailored to legal contexts, from understanding the user query to generating legal drafts and reviews using Retrieval-Augmented Generation (RAG), NER, and intent classification.

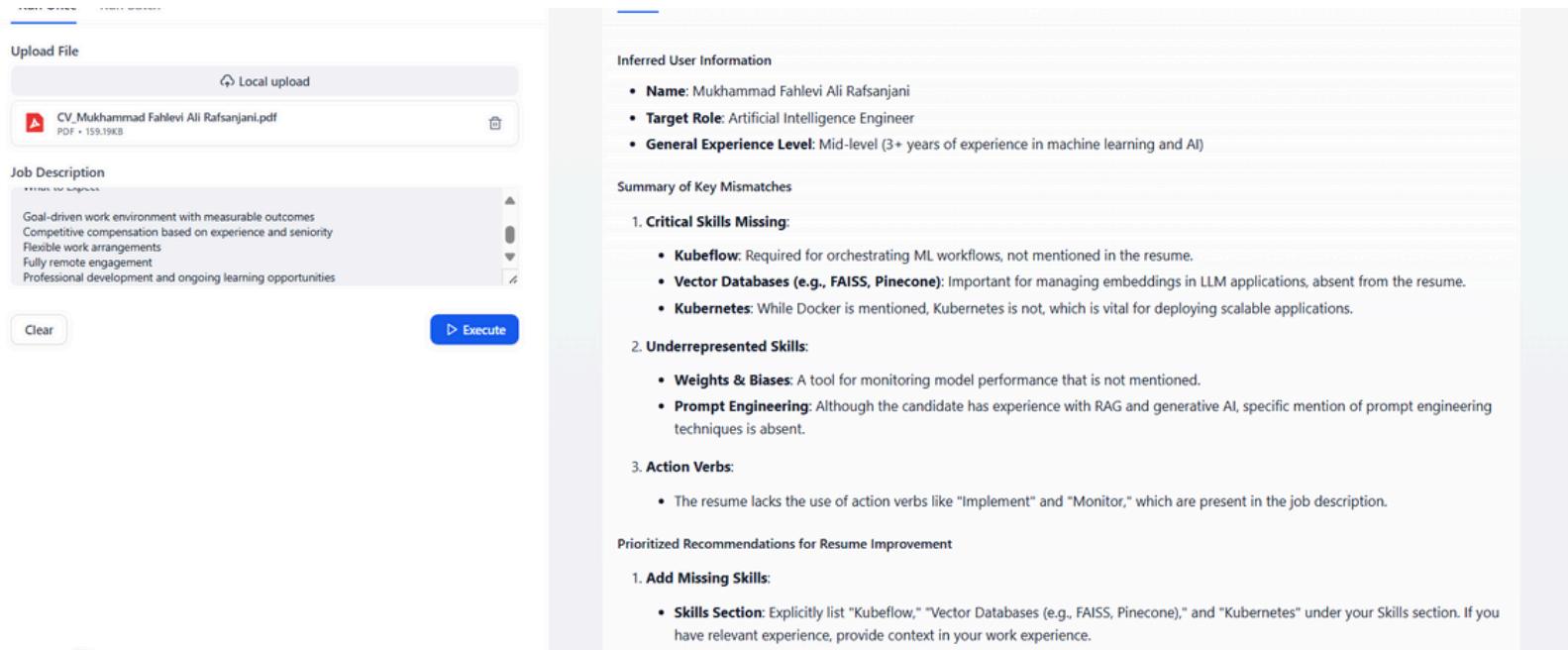
How?

- The AI layer was responsible for defining and orchestrating prompts
- Constructing modular logic and prompt for (question classification, entity extraction, review, contextual answering, and drafting)
- Created Extracting key entities (like number, location, year) using Named Entity Recognition (NER)
- Built the logic Prompt based classifications for regulatory questions document review, document drafter/creation.

Results

- Created a scalable and extensible prompt architecture for legal AI assistants
- With question classifier, questions are intelligently routed to the right processing flow.
- Prompts work in coordination to understand, retrieve, analyze, and generate legal responses tailored to form and subject.
- Document Reviewer and Drafter paths significantly accelerated manual review tasks.
- All prompt logic and flow orchestration were productionized via backend logic and class-based implementation.

SMART RESUME TAILORING WITH AI



The screenshot shows a web-based application for resume tailoring. On the left, there's a file upload section where a PDF file named "CV_Mukhammad Fahlevi Ali Rafsanjani.pdf" (159.19KB) has been uploaded via local download. Below it is a "Job Description" section containing a list of requirements: Goal-driven work environment with measurable outcomes, Competitive compensation based on experience and seniority, Flexible work arrangements, Fully remote engagement, and Professional development and ongoing learning opportunities. To the right, under "Inferred User Information", it lists the Name (Mukhammad Fahlevi Ali Rafsanjani), Target Role (Artificial Intelligence Engineer), and General Experience Level (Mid-level (3+ years of experience in machine learning and AI)). A "Summary of Key Mismatches" section highlights three areas: Critical Skills Missing (Kubeflow, Vector Databases, Kubernetes), Underrepresented Skills (Weights & Biases, Prompt Engineering), and Action Verbs (lack of Implement and Monitor). Finally, a "Prioritized Recommendations for Resume Improvement" section suggests adding missing skills like Kubeflow, Vector Databases, and Kubernetes to the skills section.

What?

This project uses AI to help job seekers tailor their resumes. By analyzing CVs and job descriptions, it identifies gaps and provides specific, prioritized recommendations for improvement to better match job requirements and increase chances of getting hired.

How?

- Document Upload: Feature to upload CVs and job descriptions using AI Platform.
- Data Extraction: Module to extract text from various document formats.
- LLM Analysis: Analyzes work experience (Analyzes skills, Analyzes keywords)
- Analyzes overall resume alignment.
- Orchestration: Combines all analyses using a schema workflow.
- Interface: Web-based interface for user interaction.

Results

- Provides specific recommendations to candidates on how to improve their resumes based on gap analysis with the job description. This includes suggestions for adding skills, keywords, and refining work experience descriptions. The aim is to help candidates create more relevant and compelling resumes for recruiters.

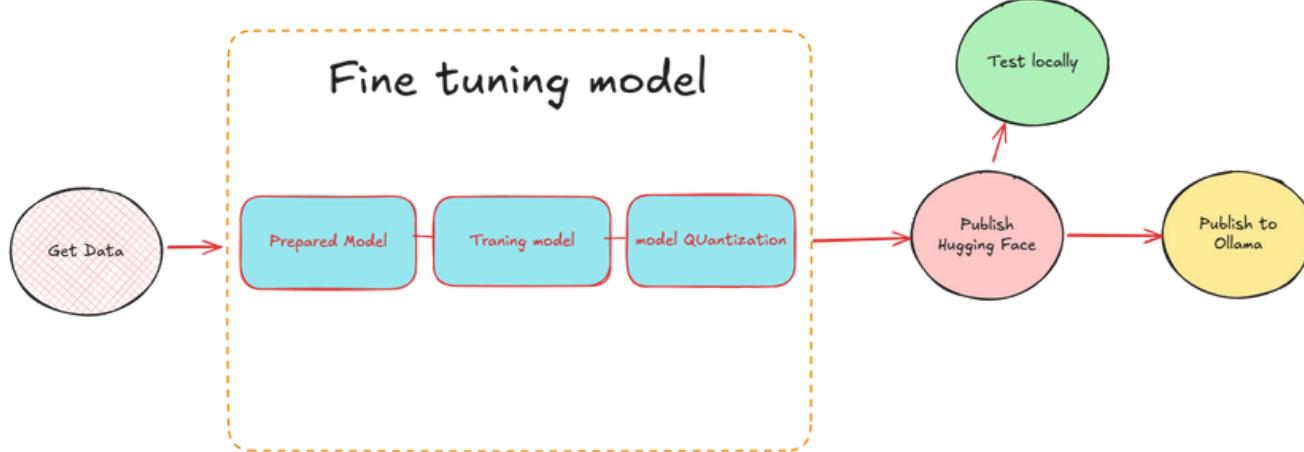
FINE-TUNED DEEPEEK R1 WITH CUSTOM DATASET

```
>>> apa itu TechSchole?
TechSchole adalah sebuah platform pendidikan daring yang menyediakan kursus-kursus teknologi terkini kepada siswa dari berbagai latar belakang. Dengan fokus pada pembelajaran praktis dan interaktif, TechSchole bertujuan untuk membantu siswa mengembangkan keterampilan teknologi yang diperlukan untuk berhasil dalam dunia digital saat ini. Dengan kurikulum yang disusun oleh para ahli industri, TechSchole memberikan pengalaman belajar yang berharga dan relevan bagi para pelajar yang ingin meningkatkan keahlian teknis mereka.
```

fahlevi20 / DeepSeek-R1-TechSchole-Indonesia

No model summary [Edit](#)
 1 Pull  Updated 17 hours ago

latest	1 Tag	ollama run fahlevi20/DeepSeek-R1...
Updated 17 hours ago		ff20f18ad05f · 1.9GB
model	arch qwen2 · parameters 1.78B · quantization Q8_0	1.9GB
template	Below is an instruction that describes a task, paired with...	420B
params	{"min_p": 0.1, "stop": ["</tool_call>", "< quad_end >"], ...}	432B



What?

This project aimed to fine-tune the DeepSeek R1 Distilled with Qwen language model with a custom dataset tailored to TechSchole Indonesia. The goal was to imbue the LLM with internal knowledge about TechSchole Indonesia, eliminating the need for an external knowledge base to retrieve relevant information. This approach enhances the model's efficiency and responsiveness when answering queries related to TechSchole Indonesia.

How?

- Using DeepSeek model from Hugging Face (Unsloth)
- Configured fine-tuning
- Created a custom dataset for TechSchole Indonesia.
- Trained the model
- Tested the model
- Quantized the model (4, 8, 16 bit).
- Uploaded to Hugging Face and Ollama.

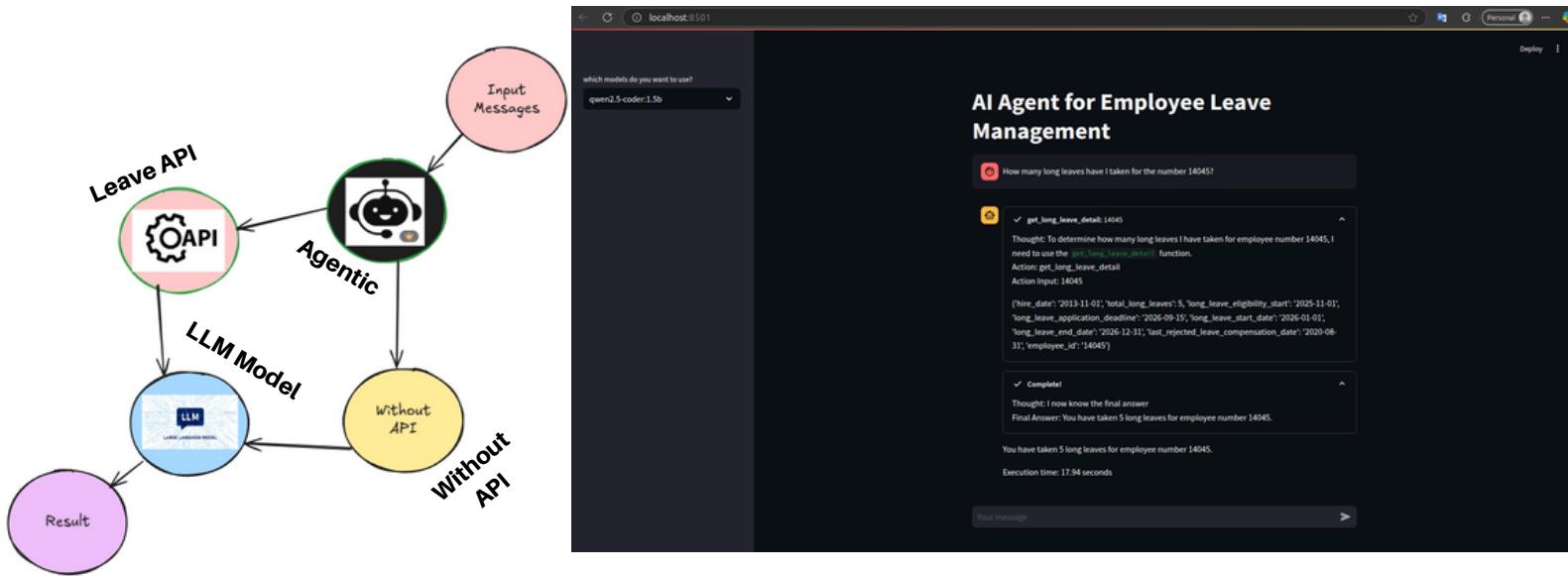
Results

- Answers TechSchole Indonesia questions without a knowledge base.
- Dataset successfully fine-tuned.
- Model publicly available.

Link Model:

<https://ollama.com/fahlevi20/DeepSeek-R1-TechSchole-Indonesia>

AI AGENT FOR EMPLOYEE LEAVE MANAGEMENT



What?

The Leave Assistant streamlines leave data access for employees, providing quick and accurate information with just their employee ID. Powered by the Qwen 2.5 LLM and leveraging React Method in Agentic technology, this innovative solution empowers employees to easily check their leave balances and access leave details through a user-friendly chat interface. Say goodbye to tedious manual searches! The Leave Assistant is your friendly chatbot that helps you effortlessly check your leave information with a simple chat interaction.

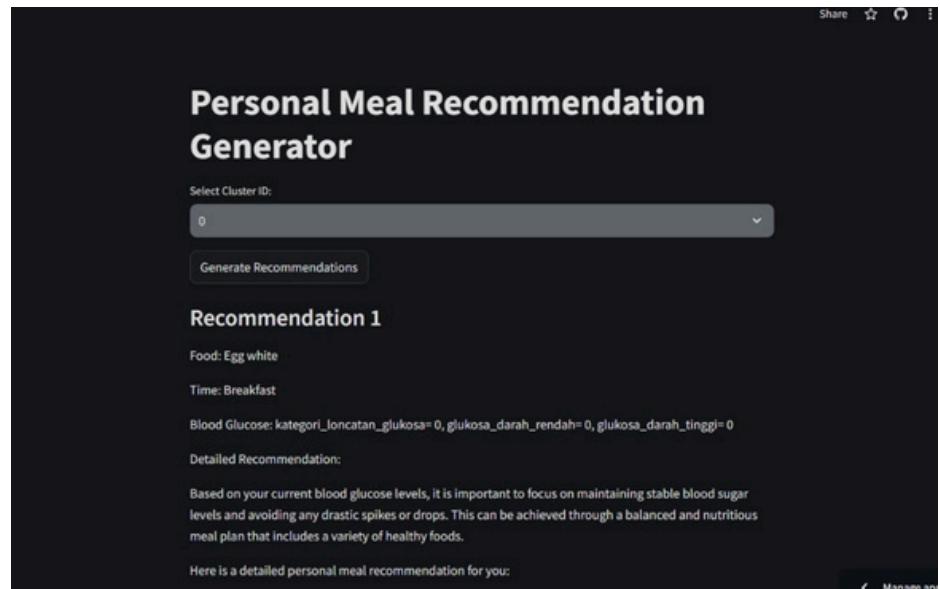
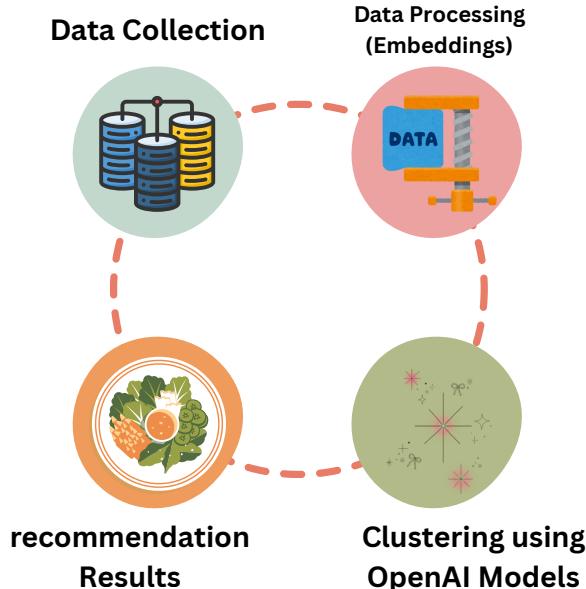
How?

- Designed on **Python**
- Integrated a dedicated API for seamless access to employee leave data.
- Used Streamlit to build an interactive web interface.
- Employed the ReAct framework to guide the model's reasoning process and ensure efficient task completion
- Leveraged LangChain with the powerful Qwen 2.5 LLM to:
 - Design effective prompts for accurate and relevant information retrieval.
 - Implement Agentic features, enabling the model to reason and perform actions (like API calls) to fulfill user requests.

Results

- Successfully developed a functional Leave Assistant that retrieves accurate employee leave data through a simple chat interface using only the employee's ID (NIK).
- Significantly improved the efficiency of accessing leave information, saving users valuable time and effort compared to traditional methods.
- Demonstrated the effectiveness of combining LangChain, the Qwen 2.5 LLM, and Agentic principles in building a practical and user-friendly application for HR data management.

GENERATE PERSONALIZED MEAL RECOMMENDATIONS POWERED OPENAI



What?

This Project aims to **generate** personalized meal recommendations based on blood glucose levels, food intake and meal times. By analyzing clusters of users' blood glucose data, the goal is to provide detailed dietary guidance tailored to individuals needs to help maintain stable blood sugar levels. Powered **OpenAI's GPT-3.5 Turbo model** to generate these recommendations by leveraging embeddings of blood glucose parameters combine with specific meal-related information.

How?

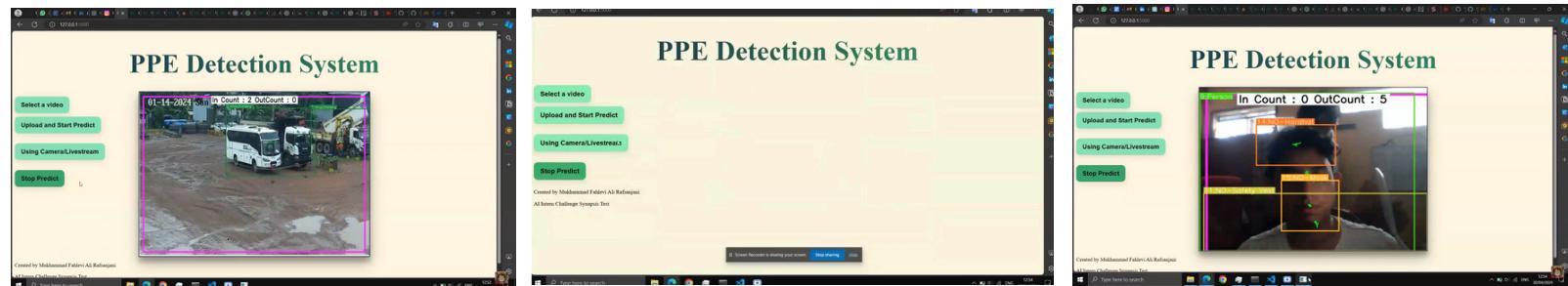
- Designed on **Python**
- Prepared data using pandas, and NumPy for Blood glucose levels, food intake, and meal tame data were collect and processed.
- Clustered using K-means applied to blood glucose embeddings group similar points using tiktoken, embeddings.
- Using GPT-3.5 Turbo model-struct to generate detailed meal recommendations based on the clustered blood glucose data.

Results

- The model generates detailed meal recommendations that are tailored to individual blood glucose levels, food intake, and meal times, achieving a high level of personalization.
- The model successfully identifies key dietary recommendations for various blood glucose cluster.
- The generated meal plans help users maintain stable blood sugar levels and provide practical dietary guidance.

Caution: This project uses confidential company data and resources. Unauthorized use is prohibited.

PPE DETECTION SYSTEM WEB APPLICATION



What?

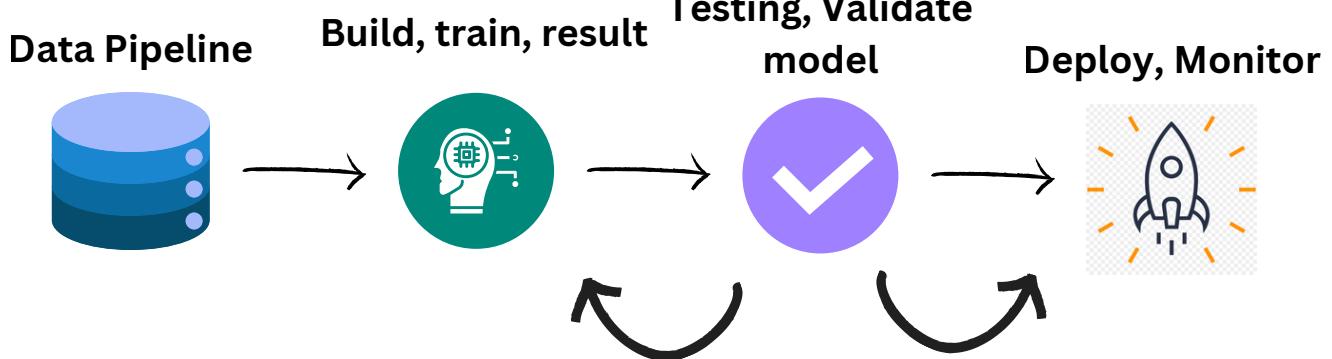
- A website designed for **detecting**, **assessing**, and **counting** whether individuals are wearing (**PPE**) Personal Protective Equipment correctly or not
- Using dataset from [nehilsanyal/construction-site-safety-image-dataset-roboflow](https://github.com/nehilsanyal/construction-site-safety-image-dataset-roboflow)
- Using 10 Classes ('Hardhat', 'Mask', 'NO-Hardhat', 'NO-Mask', 'NO-Safety Vest', 'Person', 'Safety Cone', 'Safety Vest', 'machinery', 'vehicle')

How?

- Designed on **Python**
- Using **transfer learning** algorithm YOLO V8, and **OpenCV 2.0** for PPE detection
- Developed as a **full-stack** web application using **Flask** for **backend** and **HTML**, **CSS**, and **JavaScript** for **frontend**.

Results

- The model achieves a satisfactory balance between **precision** and **recall**, with **0.95%** precision and **0.84%** recall, enabling accurate detection of PPE with high confidence levels
- Capable of **detecting** in both **video** and **real-time (camera)** scenarios.



MUKHAMMAD FAHLEVI ALI RAFSANJANI

MACHINE LEARNING ENGINEER



VOICEBOT FOR SUSTAINABLE - ROUGE INTERNATIONAL ✓

```
2882 -      "Epoch 198/200\n",
2883 -      "444/444 [=====] - ETA: 0s - loss:
0.0786 - acc: 1.000 - 0s 76us/sample - loss: 0.1453 - acc: 0.9775\n",
2884 -      "Epoch 199/200\n",
2885 -      "444/444 [=====] - ETA: 0s - loss:
0.1456 - acc: 0.968 - 0s 79us/sample - loss: 0.1019 - acc: 0.9910\n",
2886 -      "Epoch 200/200\n",
2887 -      "444/444 [=====] - ETA: 0s - loss:
0.0546 - acc: 1.000 - 0s 76us/sample - loss: 0.1198 - acc: 0.9865\n"
2888 -      ],
2889 -    ],
```

Caution: This project uses confidential company data and resources. Unauthorized use is prohibited.

What?

- The AI-enabled voicebot provides intelligence on sustainability innovation companies/startups and their founders to tackle disinformation from fraudulent founders.

How?

- Designed on **Python**
- using **Rasa** to build voicebots
- Developed a web interface for user interaction with voicebots with **Flask**.
- Created text-to-speech system with **Speech Recognition** and **gTTS**

Results

- Provided companies and their founders information.
- Responded in both voice and text messages
- Achieving high accuracy up to 98%.

COMMUNITY DOCTOR - PT LUMBUNG MANDIRI BERSAMA ✓

Link: <https://codoc-health.web.app>

Caution: This project uses confidential company data and resources. Unauthorized use is prohibited.

What?

- Community Doctor is a Website platform that provides user experience in meal planning

This project is part of the Internship in PT. Lumbung Mandiri Bersama

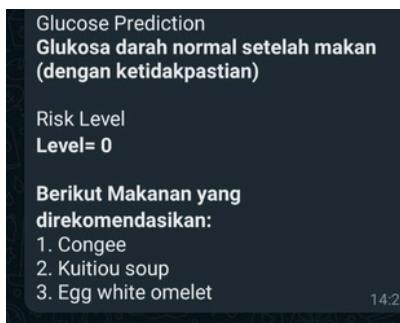
How?

- Used **Golang** for Backend (RestAPI) and implemented CRUD Operations.
- The website interface created with Next.Js using **Chakra UI** as UI Component
- Firebase** served as database and deployment platform.

Results

- The project produced the following outcomes:
- the ability to Save, read, update, and delete data on dialog website.

MEAL PREDICTION VIA WHATSAPP BOT - PT LUMBUNG MANDIRI BERSAMA ✓



What?

- Wa Dialog is a WhatsApp bot that can store user data and predict that data based on user preferences in WaCodoc. One of the implementations here is Food Prediction
- Built with various predictive models using ensemble learning (Logistic Regression, Random Forest, KNN, MLP Classifier, etc.)

How?

- Used **Golang** to handle requests from users to the bot in WhatsApp business API.
- Machine learning model created in **Python** integrated with FastAPI.
- Implemented with **Restful API** architecture.

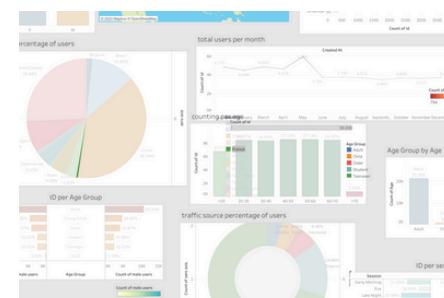
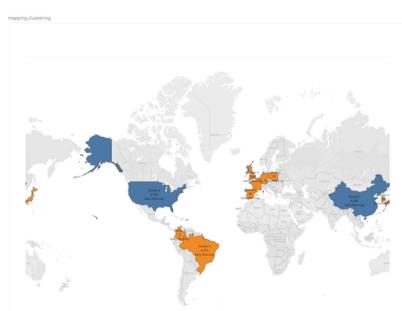
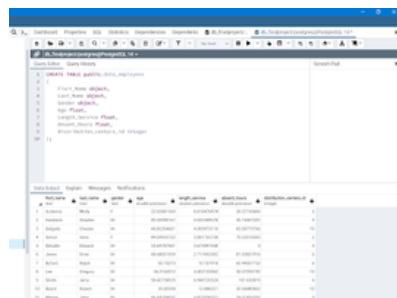
Results

The project yielded the following outcomes:

- Achieving a 12.5% improvement in accuracy
- Can store user data in WaDialog
- Can predict meal based on user input
- Can be used by users in real-time.

Caution: This project uses confidential company data and resources. Unauthorized use is prohibited.

MACHINE LEARNING ENHANCING CUSTOMER ANALYTICS - RUANGGURU ✓



What?

- This project aims to utilize machine learning to enhance customer analytics based on user patterns.
- Displaying the most active users based on country and time.

How?

- Performed ETL with **PostgreSQL**.
- Conducted EDA, feature engineering, and Preprocessing data with **Python**.
- Important features are grouped using clustering in **Tableau**.

Result

- Created A clustering model created that predicts product purchases based on the map, country, and time of purchase.
- Interactive Visualizations with dashboard.
- China and the US lead in early morning purchases, while the US and Colombia rank highest for purchases made at night and early morning.

Project: [Link](#)

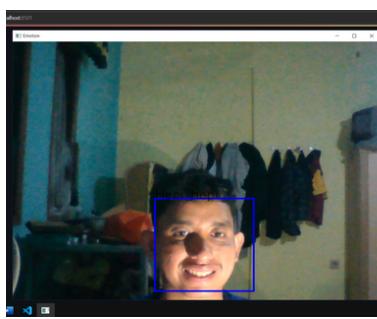
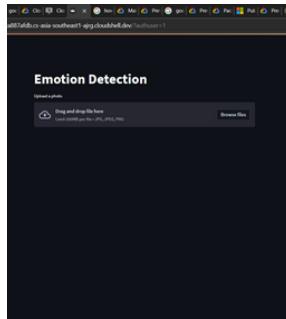
Google Colab: [Link](#)

MUKHAMMAD FAHLEVI ALI RAFSANJANI

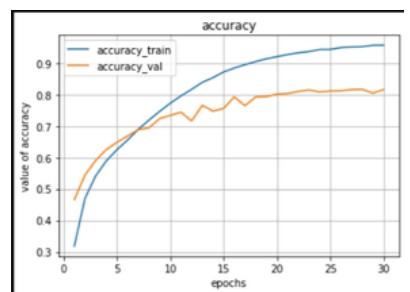
MACHINE LEARNING ENGINEER

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 github.com/Fahlevi20
 Bandung, West Java.
Indonesia.  [Portofolio Fahlevi](#)

MOOD SENSING: EMOTION RECOGNITION - AMANIN INTERNATIONAL



	precision	recall	f1-score	support
0	0.98	0.99	0.98	8054
1	1.00	1.00	1.00	8094
2	1.00	0.95	0.97	8109
3	0.97	1.00	0.98	8083
4	0.99	0.97	0.98	8101
5	0.98	1.00	0.99	8120
6	0.98	0.98	0.98	8069
accuracy			0.99	56630
macro avg	0.99	0.99	0.98	56630
weighted avg	0.99	0.99	0.98	56630



What?

- The project focuses on emotion recognition using image processing techniques and Convolutional Neural Networks (CNNs).
- It utilizes the Emotional Recognition Dataset, which consists of images of human faces and associated emotion labels.

How?

- Designed on **Python**
- optimized** CNN model with **TensorFlow** and **Keras**.
- Tested & Debugged with **OpenCV**.
- Created a simple web using Streamlit

Result

- The highest model accuracy reached 95%.
- overall accuracy of 82%, achieving high precision and recall particularly for 'Disgust' and 'Surprise' emotions, while maintaining balanced performance across all emotion categories.

This project is part of the Internship in PT. Amanin International

Caution: This project uses confidential company data and resources. Unauthorized use is prohibited.