

## Hanung Addi Chandra Utomo

+6282134950080 - hanungutomo45@gmail.com



## WORK EXPERIENCE

Jan 2024 - present

### AI Engineer

PT Global Data Inspirasi

Explore and finetuning deep learning model for NLP Task and Computer Vision

- Developing Database Integrated LLMs Chatbot using Agents with llama index and Open Webui
- Finetuning T5 LLM model for aspect based sentiment analysis Finetuning BERT LLM Model for multi-label classification task
- Finetuning YOLOv8, YOLOv9, and YOLOv10 for object detection task and classification task
- Creating Pipeline for object detection using cv2 and Supervision Roboflow like Dwelling Time, Object Counting, and Object Tracking
- Develop an REST API for model inference using Flask REST API, for image or text tasks.
- Model deployment with Docker Container

Mentoring Internship to work on some projects:

- Object Detection Models
- Chatbot
- CV Analyzer

Aug 2023 - Jan 2024

### Data Engineer

PT Global Data Inspirasi

- Developing ETL system
- Managing Databases like PostgreSQL & Elasticsearch
- Monitor and Developing Crawler using APIs and Selenium
- Deploy and Managing Crawler and Scheduler like Airflow using Docker

May 2021 - Apr 2022

### Data Engineer

PT Global Data Inspirasi

It started with an Internship as Data Engineer. in datains i was learning basic data scrapping, basic database (SQL & NoSQL), Basic APIs (Flask using python) and basic IT Automation.

## EDUCATION

Jul 2019 - present

### Internet Engineering Technology (Teknologi Rekayasa Internet)

Universitas Gadjah Mada (Gadjah Mada University)

Feb 2022 - Jul 2022

### Machine Learning Path

Bangkit Academy 2022

## PERSONAL STATEMENT

Undergraduated Student from Gadjah Mada University, Majoring at Network Engineering Technology. Having an interest at Machine Learning and Data Engineering. I am a TensorFlow Developer Certified and Bangkit Academy 2022 - Machine Learning Path Graduate. Having an experience mainly using Python Programming Language that i used for developing ML Projects such as Chatbots, Computer Vision projects, and simple Classification models..

## SKILLS

- LLMs (Groq, Ollama, Huggingface, ect)
- Computer Vision (YOLO, Ultralytics, OpenCV)
- Deep Learning (Pytorch, Tensorflow)
- Databases (PostgreSQL, MySQL, Elasticsearch)
- HTML/CSS/Javascript
- REST APIs (Python)
- Python

## SEMINARS AND TRAININGS

Feb 2022 - Feb 2022

### **Bangkit Academy 2022 - Machine Learning Path**

Google, GoTo, Traveloka

## PROJECTS

May 2024 - Jun 2024

### **Vehicle Counting Computer Vision**

Machine Learning Engineer

- Finetuning yolov8, yolov9 and yolov10 for detection 5 classes (pedestrian, car, truck, motorcycle, bus), and compare them by performance and efficiency
- Creating a working pipeline to process video and gather or detect data for counting vehicle
- Using line on 4 lanes as a tools for counting whether vehicle is out or in
- Explore SAHI method (Slicing image before inferencing, ans then merging results) for improving model performance

Feb 2024 - Apr 2024

### **Dwelling Time Computer Vision**

Machine Learning Engineer

- Using Yolov8 Computer Vision Model
- Creating custom inference pipeline for detect and tracking person object
- Creating function to count total detected frame/fps as time for counting dwelling time
- Creating a section box, whether to counting serviced time or waiting time

Jan 2024 - Mar 2024

### **Aspect Based Sentiment Analysis**

Machine Learning Engineer

- Finetuning model t5 instruct model for extracting aspect or topic on Hotel Review data using transformers and torch

May 2022 - Jun 2022

### **NutrieCARE - Capstone Project Bangkit Academy**

Machine Learning Engineer

## CERTIFICATIONS AND LICENSES

Jul 2022	<b>TensorFlow Developer Certification</b> Tensorflow
Apr 2022	<b>DeepLearning.AI TensorFlow Developer Specialization</b> Coursera
Mar 2022	<b>Google IT Automation with Python Specialization</b> Coursera
Mar 2022	<b>Google IT Automation Certificate</b> Coursera
Mar 2022	<b>Mathematics for Machine Learning Specialization</b> Coursera