

# Pray Somaldo

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## EDUCATION

### Master of Computer Science

*University of Indonesia (one of the highest ranking university in Indonesia)*

Indonesia

Feb. 2019 – Jan 2021

## EXPERIENCE

### Senior Data Scientist/AI Engineer

June 2021 – Present

*GDP Labs*

*South Jakarta, Jakarta*

- Built Chatbot on client data on top of OpenAI with LLM technology and improve efficiency on data analysis.
- Guided clients in using AWS for Data Analytics use case and enabling them to automate their data migration and optimize efficiency by 30%.
- Built MLOps system utilizing AWS services such as API Gateway and CloudWatch, streamlining data acquisition and model monitoring processes.
- Connected multiple data stores and built data warehouse and data pipeline on AWS cloud which pull data automatically and increase time efficiency by 40%.

**Technology Used:** AWS Cloud, github, SQL, pandas, docker, jupyter notebook, pytest, boto3, Metabase, Kubernetes, LLM, OpenAI

### Machine Learning Engineer

Aug. 2019 – Jan. 2021

*PT. Sugihart Digital Imaji*

*Duren Sawit, Jakarta*

- **People Density Heatmap**

Developed people crowd density system and visualize it through heatmap to gain insight which area is the most crowded on specific time.

- **Face Recognition Attendance System**

Built real-time face recognition for attendance system monitoring. The system speed up the attendance checking time with less than 2 seconds with accuracy more than 97%.

**Technology Used:** OpenCV, Tensorflow, Pytorch, Darknet, Darkflow, Yolo, TensorRT, Deepstream, Jupyter Notebook, MySQL, netron, ONNX, threading

### Data Scientist and Freelance projects

Oct 2017 – Feb 2021

*Various companies*

*Indonesia*

- Built text machine learning model for news filtering and achieve up to 95% accuracy.
- Clustered data for campaign needs and visualize it based on region by density, salary and religion.
- Researched and deployed NLP transformer model for Nanyang Technological University Singapore to facilitate their online course recommendation.

**Technology Used:** AWS Cloud, github, pandas, docker, spacy, boto3, SentenceTransformer

## TECHNICAL SKILLS

**Programming Languages:** Python, Javascript, SQL

**Cloud Technologies:** AWS (S3, Glue, Athena, EC2, Quicksight, Sagemaker, RDS, DMS, API Gateway, Lambda)

**Machine Learning:** Scikit-learn, PySpark, Tensorflow, Keras, FBProphet, PyOD, MLFlow

**Big Data:** Apache Spark, PrestoDB, TrinoDB

## ACHIEVEMENTS

**Mentor** | July 2023

Garuda Hacks

- Mentor of 52 teams for Indonesia's Premier Hackathon

**Advisor** | June. 2023

Bangkit bootcamp by Google, GoTo, Traveloka

- Advisor to the 3 teams who built machine learning app using Google Cloud.

**Best Employee** | August. 2022

GDP Labs

- Best employee of the month out of 70+ employees

**Top 10** | Nov. 2020

National Data Science Competition (NDSC) by Shopee

- Top 10 for Product Matching task (given image and text) in Advanced Category competition out of 139 teams with team name Babay