ABDUL HAFIDH

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in abdulhafidh | ○ AbdulHafidh-AI | 🐦 AbdulHafidh_AI

Central Jakarta, Indonesia

OBJECTIVE

Seeking opportunities in the IT field to apply my skills in programming, data analysis, and problem-solving. With expertise in artificial intelligence and machine learning, I am passionate about technology, quick to adapt to new challenges, and committed to continuous learning. I aim to contribute to innovative solutions and the success of the organization.

SKILLS

- **Programming Languages:** Python, C, Java, JavaScript
- **DevOps Tools:** Git, Github, Docker, SSH, Grafana, Prometheus, Google Cloud Platform: Cloud Run, VM, Storage, etc
- **Operating Systems:** Linux, MacOS, and Windows
- **Data Science Tools:** Jupyter, Pandas, NLTK, Scikit-learn, Matplotlib, Seaborn, FastAPI, Flask, OpenCV, Roboflow, Huggingface, etc
- **Machine Learning:** Predictive Modelling, Data Mining, Supervised and Unsupervised ML, Clustering, Computer Vision, Time Series, K-NN, Naive Bayes, Decision Tree, Random Forests, Neural Network, etc.
- **Deep Learning:** Tensorflow, PyTorch, Keras
- **Database:** MySQL, PostgreSQL
- **Documents:** LaTeX, Google Docs, Microsoft Word
- **Languages:** English, Indonesian

EXPERIENCE

- **Teleakses Solusindo** *January 2025 - Present*
  Junior Engineer (Full-time Contract) Jakarta, Indonesia
  ◦ Monitoring AI models such as chatbots and voicebots to ensure they are usable by end users
  ◦ Deployed and managed scalable applications using Docker containerization, automating installation and orchestration processes to ensure consistent, efficient, and reproducible environments
  ◦ Implemented monitoring systems using Grafana and Prometheus to ensure system reliability and performance
  ◦ Implemented data visualizations for log traffic to identify trends to easily see insights and report findings to my team

- **Recylorobo.ai** *August 2024 - October 2024*
  AI Developer (Intern) Canada (Remote)
  ◦ Help the team to annotate the label of the image dataset to build an object detection model
  ◦ Develop a deep learning model to detect the object in the image dataset

- **Dinas Komunikasi Informatika dan Statistik Kota Banda Aceh** *July 2023 - August 2023*
  Data Scientist (Intern) Banda Aceh, Indonesia
  ◦ Developed a time series forecasting model to predict the fish prices in Banda Aceh
  ◦ Create an effective data visualization to show the fish prices trend in Banda Aceh

- **Bangkit Academy** *February 2023 - July 2023*
  Machine Learning Cohort (Apprenticeship) Bandung, Indonesia
  ◦ Fully graduate in Bangkit Academy program as a machine learning Cohort
  ◦ Finish all courses in Bangkit Academy program with a good grade and complete the final project with a good result

- **Samudra University** *May 2022 - September 2022*
  Web Developer (Part-time) East Aceh (Remote)
  ◦ Developed a data portal website for Samudra University
  ◦ Integrated SQL queries to fetch data from the database and display it on the website with effective data visualization
  ◦ Create API endpoints to upload the students image and data to the server

PUBLICATIONS

- **Leveraging Advanced Vision-Language Model in Medical Visual Question Answering** *September 2024*
  IEEE Xplore [🌐]

PROJECTS

• **Recommender system to show the nearest small and medium enterprises in Yogyakarta destinations** *May 2023*
Tools: [Python, Flask, Docker, Kotlin, Google Cloud Run] [O]
  ◦ Developed a model for a recommender system using Tensorflow framework.
  ◦ Deploy the model using Google Cloud Run with Docker containerization.
  ◦ Create an Android application with the team mate to show the nearest SMEs in Yogyakarta destinations.

• **Loan Default Prediction** *February 2023*
Tools: [Python, Scikit-learn, Pandas, Jupyter] [O]
  ◦ Developed a machine learning model to predict loan default.
  ◦ Used the Logistic Regression algorithm to predict the loan default.
  ◦ Achieved an accuracy of 90% in the model.

• **HOSPIRESC: Hospital Rescue** *May 2022*
Tools: [PHP, MySQL, HTML, CSS, JavaScript, and Laravel] [O]
  ◦ Developed a web application to help hospital to borrow the medical equipment from other hospitals.
  ◦ Features include a dashboard to see the hospital that need the medical equipment.

HONORS AND AWARDS

• **Present international conference paper** *Septermber 2024*
International Conference On Electrical Engineering and Informatics 2024 [⊕]
  ◦ Present a research paper regarding medical visual question answering at ICELTICs 2024.
  ◦ The paper discusses the performance of BLIP (Bootstraping Language Image Pretraining) model in medical visual question answering with text data augmentation.

CERTIFICATIONS

• **DevOps Fundamentals** *November 2024*
Dicoding [⊕]
• **Tensorflow Developer Certifications** *November 2023*
Tensorflow certificate Program [⊕]
• **Analyse Data to Answer Questions** *March 2023*
Coursera [⊕]

TALKS AND WORKSHOPS

• **Study Jam: Basic Programming Academy** *Desember 2022*
Speaker Online
  ◦ Conducted a workshop on basic programming concepts for beginners with Python programming language.
  ◦ Introduced the fundamental concepts of programming, including variables, data types, and control structures.

• **Study Jam: Python for Data and Geo Science** *November 2023*
Speaker Banda Aceh, Indonesia
  ◦ Introduce the main library for data science in Python, such as Pandas, Numpy, and Matplotlib.
  ◦ Show how to use the library to analyze data and visualize it.
  ◦ My partner and I also introduce them with the Obspy library to visualize the seismic data.

EDUCATION

• **Syiah Kuala University** *August 2020 - August 2024*
Bachelor of Informatics (GPA: 3.81/4.00) Banda Aceh, Indonesia
  ◦ Graduate with honors as an active students in the Informatics major
  ◦ Participated in various extracurricular activities, including the Informatics Student Association

REFERENCES

1. **Alim Misbullah, S.Si., M.S.**
   Assistant Professor, Department of Informatics, Syiah Kuala University,
   Former Senior Engineer at Asus
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