Daffa Maulana Haekal

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I am a third year dedicated Computer Science student at the University of Indonesia, deeply passionate about the intersection of Artificial Intelligence, Software Engineering, and Data Science. My academic journey has equipped me with a solid foundation in both theoretical and practical aspects of technology includes Machine Learning, Deep Learning, Data Science, Web development (Backend and Frontend), and Data Analysis. In another hand my extracurricular involvement has honed my Leadership, Team Development, and Strategic Communication Skills. I am very excited to get opportunity with this internship program.

Education

Universitas Indonesia – Depok, Indonesia
Bachelor Degree in Computer Science
Undergraduate in Faculty of Computer Science (Fasilkom) for Computer Science major   August 2021- Present

Other Education & Online Courses Experience

Bangkit Academy led by Google, Tokopedia, Gojek & Traveloka – Machine Learning Path – Depok, Indonesia
Being one of cohort in machine learning path   February 2024 – Present
- Gain knowledge for data analyst, data science, and machine learning from best mentor and teacher
- Become 1/210 cohort that approved to join capstone entrepreneur track from 500+ applicant

Bundle Machine Learning Courses by Deep Learning AI and Stanford University– Coursera   April 2024 – April 2024
- Complete Supervised Machine Learning: Regression and Classification Course
- Complete Advanced Learning Algorithms Course
- Complete Unsupervised Learning, Recommenders, Reinforcement Learning Course

Bundle DeepLearning.AI Tensorflow Developer by Deep Learning AI– Coursera   April 2024 – May 2024
- Complete Introduction to Tensorflow for Artificial Intelligence, Machine Learning, And Deep Learning Course
- Complete Convolutional Neural Networks in Tensorflow Course
- Complete Natural language Processing in Tensorflow Course
- Complete Sequences, Time Series, and Prediction Course

Bundle Tensorflow: Data and Deployment by Deep Learning AI– Coursera   May 2024 – May 2024
- Complete Browser-based Models with Tensorflow.js Course
- Complete Device-based Models with Tensorflow Lite Course
- Complete Data Pipelines with Tensorflow Data Services Course
- Complete Advanced Deployment scenarios with Tensorflow Course

Project Experience

Developing Model to Classify Fast Food Image – Depok, Indonesia   2 June 2024 – 3 June 2024

Resource: https://github.com/dapulmh/Image-Fast-Food-Classification/

My personal project to build classification model for recognizing fast food image from Kaggle dataset
- Reach 0.98 accuracy and 0.87 validation accuracy for classification model

Build Model and Simple Website for Predicting US Salary – Depok, Indonesia   December 2023 – January 2024

Resource: https://github.com/dapulmh/Project-Salary-Prediction

My personal project to know how to integrate my own machine learning model and simple website using streamlit
- Create simple user interface website using streamlit framework
- Create Regression Model to predict US Salary
- Integrating machine learning model and website

Create Rental Baby Tools App Called Momee.id for Bangkit Capstone Project – Depok, Indonesia   May 2024 – Present

Resource: https://github.com/Bangkit-Capstone-2024

Project for Bangkit Entrepreneur Track to create sustainable business and application.
- Create model with my colleague to classification baby tools by image
- Create website for promotion
- Help Cloud Computing cohort to deploy model and API backend

Create Website for Teaching Assistant Management For PPL Course Assignment – Depok, Indonesia   January 2024 – June 2024

Resource: https://drive.google.com/file/d/10PU1XVwli-LAulEBWqm5Dn7_BihIOeGF/view?usp=sharing

Create Website with my colleague called Siasisten for teaching assistant management for Computer Science Faculty especially Magister Degree
- Integrating Siasisten Reborn for Magister degree requirement
- Creating feature for Penalty Management System
- Creating feature for Payment Management System
- Become Scrum Master for the whole development timeline

Create Website for Personal Portfolio – Depok, Indonesia   December 2023 – Present

Resource: https://github.com/dapulmh/web-portfolio-daffa

My personal project to build my own website for personal portfolio and personal branding
- Create landing page for website
- Create download cv feature

Develop Model to Predict Machine Capacity and Motorcycle Category – Depok, Indonesia   September 2023 – November 2023

Resource: https://github.com/dapulmh/Spesifikasi-Motor---Regresi

Developing model to predict machine capacity and motorcycle category in motor specification dataset for KASDD courses assignments
- Create predict model to predict machine capacity
- Create predict model with my colleague to predict category machine
- Create clustering model with my colleague

Develop Web in Flutter and Django for Web Development Courses Assignment – Depok, Indonesia
Resource: https://github.com/YosuaChrialMartono/C06-PTS-PBP , https://github.com/YosuaChrialMartono/C06-PAS-PBP
Developing web in flutter and Django for wall of hope features   September 2022 – December 2022
- Responsible for wall of hope features in website
- Create CRD (create, read, and delete) in wall of hope features
- Create user interface (UI) for wall of hope features

Develop Web in Spring Boot Java for Advanced Programming Courses Assignment – Depok, Indonesia   January 2023 – June 2023
Developing web in spring boot java for admin microservice
- Responsible for Admin Microservice
- Deploy Admin Microservice using gitlab cs and google cloud platform
- Develop many features for admin microservice and main microservice

Organizational & Professional Experience

Pemira Fasilkom UI – Depok, Indonesia
VPIC Campaign in Pemira Fasilkom UI in Computer Science Faculty   November 2022 – January 2023
- Supervised with my PIC to look after campaign activities in Pemira Fasilkom UI
- Organize other staff to do their task for Pemira Fasilkom UI
- Create 4 big event for Pemira Fasilkom UI

Bem Fasilkom UI – Depok, Indonesia   March 2022 – December 2022
Staff in Kastrat BEM Fasilkom UI
- Supervised in one of event for Kastrat BEM Fasilkom UI
- Participate in Kastrat Bem Fasilkom UI project
- Achieving best staff award for Kastrat Bem Fasilkom UI

COMPFEST 2023 – Depok, Indonesia
Expert staff in Indie Game Ignite COMPFEST 2023 (game development competition)   March 2023 – October 2023
- Help PIC and VPIC to organize and give advice for Indie Game Ignite COMPFEST 2023
- Help other staff to do their task for Indie Game Ignite COMPFEST 2023
- Supervised in one of technical meeting for Indie Game Ignite COMPFEST 2023

Skills, Interests, & Others

Language: Fluent to speak and writing in English.
Programming Language: Python, Java, Javascript, HTML, SQL, CSS, R, Golang, C, C++, Kotlin, Dart, Typescript
Databases: MySQL, PostgreSQL
Cloud: Docker, Github, Google Cloud Platform
Web Framework: Django, React Js, Flutter, React Typescript, Django Rest API
Machine Learning Framework & Library: Keras, Tensorflow, Scikit-learn, Pandas, Numpy, CV2, Pytorch, Flask, Matplotlib, Spacy, Seaborn
Soft Skills: Critical Thinking, Problem Solving, Analytical Skills, Mathematical Skills, Project Management, Leadership, Communication Skills, Computational Thinking
Hard Skills: Microsoft Word, Microsoft Power Point , Microsoft Excel, Figma, Canva, Power BI, Tableu