



Muhammad Imron

IT Enthusiasts

SUMMARY

IT enthusiast with expertise in machine learning, web development, and AWS cloud services. Certified AWS Solutions Architect Associate. Proficient in research support, CodeIgniter, Odoo, and adept at applying technology to practical solutions.

EXPERIENCE

Research Assistant

- UGM Intelligent Systems Lab
June 2023 - August 2023

In June 2023, I collaborated as a research assistant on a project entitled "Classification of Tea Quality by Color Features". My role includes feature extraction, model design, participation in progress meetings, and co-authoring research journal drafts. Notable achievements that include consistently achieving over 90% accuracy in traditional machine learning models and exceeding 92% accuracy in neural network models using CNN highlight my expertise in machine learning and research collaboration.

AWS Bootcamp Participants

- Digitalent x Elite Academy
March 2023 - August 2023

In the Digital Elite Academy's Entitas Kominfo Boot Camp, I played various roles, including Soft Skills and Cloud Computing training, simulation project participation, and Cloud Lead responsibilities. I earned AWS Cloud Practitioner and AWS Solutions Architect - Associate certifications directly from AWS. Notably, I passed as the best performing participant, recognized for excellent soft skills. This reflects my commitment to hone cloud expertise and improve soft skills through intensive training.

Software Engineer Intern

- PT Hashmicro Solusi Indonesia
August 2022 - December 2022

I completed a 5 month internship as a software engineer at PT Hashmicro Solusi Indonesia through the MBKM program. Responsibilities include Odoo-based ERP development, incident handling, Gitlab-based teamwork, and leading group discussions. Achievements include apprentice certification, consistently exceeding task completion targets (20 - 24 assignments/week), and graduating with an average performance exceeding 70%. This experience demonstrates my software development skills and strong collaborative abilities in a project-based environment.

LICENSE

- [AWS Solutions Architect - Associate](#)
- [Machine Learning Experts - Dicoing](#)

REFERENCE

Diyah Utami K. P.
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- 📍 Banyumas, Indonesia

EDUCATION

Bachelor of Computer Science

- Gadjah Mada University
August 2019 - August 2023
GPA 3.44

SKILLS

Hardskills

- Python (Machine Learning, Odoo)
- PHP (CodeIgniter, Laravel)
- Javascript (React, Node.js)
- HTML
- CSS (Bootstrap5)
- AWS Service
- Microsoft Office
- Microsoft Excel

Softskills

- Project Management
- Problem Solving
- Public Speaking

Languages

- Indonesia (Native)
- English

SELECTED PORTFOLIOS

ML – Tea Quality

A study to develop a machine learning model to classify the quality of liquid tea based on color features

Timeline

Jun 2023 – Aug 2023

Role

Research Assistant,
Data Scientist,
ML Engineer

Research Team

Diyah Utami K.P. as
Researcher

Problem

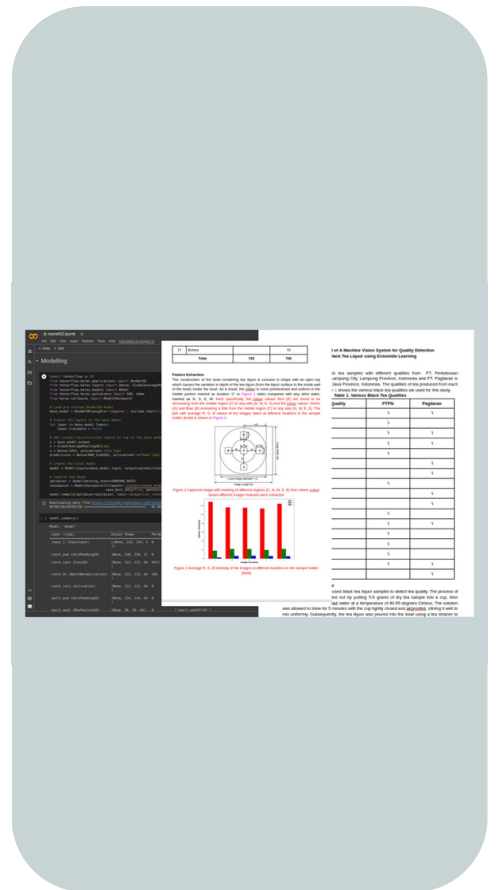
The research aims to solve the problem of inconsistent tea quality assessment by creating an automated system using color features and machine learning. This helps ensure that tea is classified consistently and accurately for better quality control, benefiting both producers and consumers.

Goal

Collaboration between the agricultural engineering department and the computer science department to build an automatic system for detecting the quality of liquid tea

Result

A machine learning model that can become the core of an automation system



AWS – WordPress Deployment

a project to deploy wordpress web using AWS infrastructure as activities and tasks in bootcamp

Timeline

Mar 2023 – Aug 2023

Role

Bootcamp
Participant,
Team Leader

Cloud Team

Firmansyah Mukti as Solutions
Architect,
Ignatius Barry as CloudDev,
Yonanda Putra as CloudOps

Problem

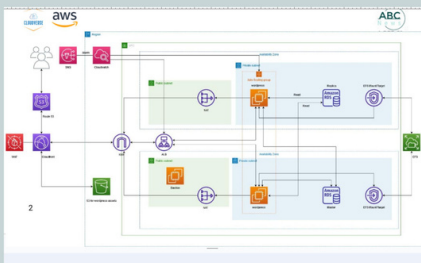
As tasks and activities in the bootcamp, each participant is divided into a team of four people who will implement cloud infrastructure according to the problems requested by the client. This problem is in the form of migrating wordpress websites from local infrastructure to cloud infrastructure

Goal

Development of cloud infrastructure for wordpress web by implementing best practice cases

Result

Reliable, availability, and secure cloud infrastructure for wordpress web



SELECTED PORTFOLIOS

Sales & CRM System

Hashmicro's ERP software project uses the odoo platform

Timeline

Aug 2022 - Dec 2022

Role

Software Engineer
Intern

Dev Team

Arif Darmawan as
Mentor

Problem

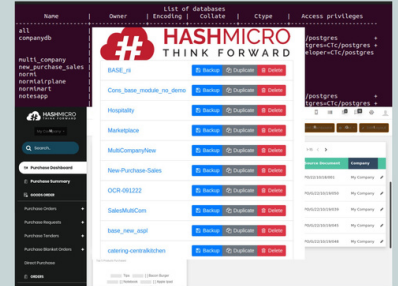
Launching a Sales and CRM system project on Hashmicro was very important. It streamlines lead management, improves customer engagement, centralizes data and supports data-driven decisions, driving scalability, cost efficiency and competitive advantage in customer service and retention.

Goal

Making sales and CRM management system applications using Odoo and PostgreSQL

Result

A sales and crm system application that meets company needs



Lap-Elex

an e-commerce web project as a task and course activity at UGM

Timeline

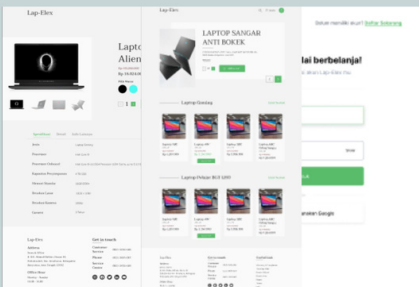
Feb 2022 - Jul 2022

Role

Course Participant,
Project Manager

Team

Hilmi Ismail as UI/UX Designer,
Irvan Amri as Front-End,
Fajar Merah as Back-End,
Irfan Azis as Back-End,
Fahtul Apik as Data Engineer



Problem

As a task and activity in the software engineering implementation course at UGM, each student in class is divided into a team of six people who will implement software creation. The software created as a team project is an e-commerce website creation called Lap-Elex using the codeIgniter framework

Goal

Build a fully functional software

Result

E-commerce website as a result of the project