Hi I’m Abdan Hafidz

A.I Engineering’23 ITS | 5054231021

and its my

Port folio

linkedin.com/in/abdan-hafidz/

@abdan_hafidz

mengCP

github.com/abdanhafidz

www.abdanhafidz.com

About Me

Have fun with my stuff!

For more than 5 years, I have explored my coding skills to the end to pursue website development and the last 3 years I have worked in several institutions in the section of website development, IT division, full-stack development. And since I was in high school, I began to deepen my abilities in the field of computer science, until in the end I often won several National level competitions in the field of computer science or better known as Informatics in my country. I often have fun on the competitive programming platforms codeforces, atcoder, TLX, Vjduges and others. Not infrequently I also take part in National competitions with competitive programming categories and website design :) I do social media content creating too.

Currently I'm studying at Sepuluh Nopember Institute of Technology (ITS), Surabaya, majoring in Artificial Intelligence (A.I) Engineering where I'm being able to do some research about Machine Learning, Deep Learning, Data Mining, Natural Language Processing, Generative A.I, Computer Vision, and etc.

I'm a

- **CEO & Founder of Programming Online Course Platform.**
- **CTO & Founder Indonesia Science Training Institution**
- **Educational Content Creator**
- **Frequently remote working on several education Institutions as a Software Engineer**

www.abdanhafidz.com

My Skills

Competitive Programming

Backend-Development

Dev Ops

Frontend-Development

Graphic & UI/UX Design

+ A.I / ML Engineering Using Pytorch, Tensorflow Keras, ScikitLearn, OpenCV, and Seaborn SNS.

www.abdanhafidz.com

Experiences

Informatics Trainer - Training of Trainer (ToT) Pelatihan Guru Pembina OSN Informatika
Lembaga Olimpiade Pendidikan Indonesia · Part-time
Oct 2024 - Present · 2 mos
Remote

Skills: Competitive Programming · discreate math · Problem Solving · Teaching

GitHub - abdanhafidz/teaching-portfolio

Computational Thinking Module

Pemrograman Dasar Module

Institut Teknologi Sepuluh Nopember (ITS)
4 mos

- **EA234102 Fundamental Programming (Python) - Assistant Lecturer**
  Aug 2024 - Present · 4 mos
  On-site

- **EA234103 Discreate Math - Assistant Lecturer**
  Aug 2024 - Present · 4 mos
  Surabaya, Jawa Timur, Indonesia · Hybrid

EvalatorKSN
Part-time · 3 yrs 8 mos

- **Informatics Teacher - Pelatihan OSNK Informatika SMA 2025**
  Aug 2024 - Present · 4 mos
  Remote

  Teaching SMAN 1 Raya Simalungun

  GitHub - abdanhafidz/teaching-portfolio

  Aljabar Boolean.pdf

  Representasi Himpunan Boolean & Bit, Implikasi,.pdf

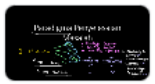
- **Website Developer**
  Apr 2021 - Present · 3 yrs 8 mos

  Skills: JavaScript · PHP · MySQL

- **Informatics Teacher**
  Oct 2023 - Aug 2024 · 11 mos
  Remote

  Teaching SMAN 1 Raya Simalungun's Students for preparation of National Science Olympiad (OSN) in Informatics

  Skills: Problem Solving · C++ · Programming · discreate math

  
  PsP Basic.pdf

  Graf dan Tree.pdf

Experiences

Head of Division - Website Development
MABA CUP ITS
Aug 2024 - Present · 4 mos
Hybrid

Scientific Comittee on National Programming Contest (NPC)
Schematics ITS · Seasonal
Mar 2024 - Present · 9 mos
Surabaya, Jawa Timur, Indonesia · Hybrid

Skills: Competitive Programming · Data Structures · Algorithms · Computer Science · Analytic Problem Solving

Member
GDSC ITS
Oct 2023 - Present · 1 yr 2 mos

Skills: Web Development · Machine Learning · Artificial Intelligence (AI)

Member
Google Developers Group
Aug 2023 - Present · 1 yr 4 mos
Surabaya, East Java, Indonesia

Chief Executive Officer & Founder
Feez Edutech · Full-time
Aug 2022 - Present · 2 yrs 4 mos
Jakarta, Jakarta, Indonesia · Hybrid

Skills: Business Strategy · Management · Communication · Marketing

Feez - Belajar Coding Dengan Harga Terjangkau Sekarang!

Chief Technology Officer
Yayasan Pelatihan Sains Pelajar Indonesia · Part-time
Jun 2019 - Present · 5 yrs 6 mos
Bekasi, West Java, Indonesia

Skills: JavaScript · PHP · Ajax · JQUERY · MySQL

Forpelindo - Penyelenggara Kompetisi Sains Online. Berkarya Untuk Negeri , Menciptakan Kemajuan Untuk Pendidikan IndonesiaForum Pelatihan Sains Pelajar...

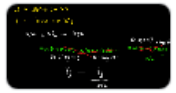
Website Developer
PT ANTARES DWIMA PRATAMA · Part-time
Jan 2019 - Present · 5 yrs 11 mos

PT ANTARES DWIMA PRATAMA
PT. Antares Dwima Pratama was established in 2014 by Notary Public's memorandum of Association. The main activities of the company are in Marine Surveying & Consultanc...

Informatics Tutor - Pelatihan OSN Tingkat Nasional 2024
Lembaga Olimpiade Pendidikan Indonesia · Part-time
Aug 2024 - Aug 2024 · 1 mo
Remote

Teaching Topics : Adhoc (Math, Constructive), Prefix Sum, Struct & Pointer, Memory Management for OSN, Recursive , Memoization, Dynamic Programming, Divide and Conquer, Combinatorics

GitHub - abdanhafidz/teaching-portfolio


Notes Adhoc.pdf

adhoc+prefix_sum.pdf

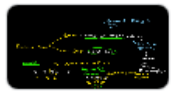
www.abdanhafidz.com

Experiences

Lembaga Olimpiade Pendidikan Indonesia
Part-time · 3 mos
Remote

Informatics Tutor - Pelatihan OSNP 2024
Apr 2024 - May 2024 · 2 mos

GitHub - abdanhafidz/teaching-portfol


Data Structure.pdf

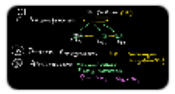
Dynamic Programming.pdf

Informatics Tutor - Pelatihan OSNK 2024
Mar 2024 - May 2024 · 3 mos

Teaching National Olympiad in Informatics (NOI) topics : Discreate Math, Algorithmics, Computational Thinking

GitHub - abdanhafidz/teaching-portfolio

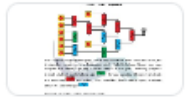
Latihan Soal Algoritmitika 2.pdf


LOPI CT 1.pdf

Alpha Academy
Part-time · 4 mos
Remote

Informatics Problem Setter & Tutorial Tentor | [TRY OUT 5 PERSIAPAN OSNK by Alpha Academy]
Mar 2024 - May 2024 · 3 mos

Skills: discreate math · Mathematics · logic · Algorithms · Computational Intelligence


SOAL DAN PEMBAHASAN INFORMATIKA.pdf

Informatics Problem Setter & Tutorial Tentor | [TRY OUT Academy]
Feb 2024 - Apr 2024 · 3 mos

Skills: discreate math · Competitive Programming · problem sovlin

SOAL DAN PEMBAHASAN TO OSNP INFORMA

IT Engineer & Developer (Backend)
Ini Lho ITS! · Seasonal
Oct 2023 - Mar 2024 · 6 mos
Surabaya, East Java, Indonesia · Hybrid

Skills: GitHub · MySQL · Express JS

Back End Developer
MABA CUP ITS 2023 · Seasonal
Sep 2023 - Mar 2024 · 7 mos
Surabaya, Jawa Timur, Indonesia

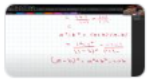
Skills: Prisma ORM · PostgreSQL · GitHub · Express.js

Quantitative Knowledge & Mathematical Reasoning Teacher
Mathan Group · Part-time
Aug 2023 - Nov 2023 · 4 mos
Remote

Teaching in field of College Entrance examination preparation (SNBT/UTBK)

Skills: Mathematics · Critical Thinking · Calculus · Analytical Reasoning

teaching-1.png


teaching-2.png

My Projects – Web 3.0 / Software Engineering

Graph Modelling on P2P Block-Chain Network via WebSocket, Referencing to Bitcoin Network

- Creating from Scratch Block-Chain P2P network applying consensus algorithm, decentralization principal, block-chipper, assymetric-encryption, hashing algorithm using SHA-256 + BIPMnemonic + SECPCurve, and Network Broadcasting for Real Time Block Mining using Web Socket Python.
- Solving Graph decentralization & P2P network broadcasting security edge cases : Full node block-chain, Level Ordering, Bipartite Block Forks, Naïve Neirest Neighbour, Backtracking Algorithm, and Byzantine Fault Tolerance (BFT).

PROPOSAL LINK CLICK HERE

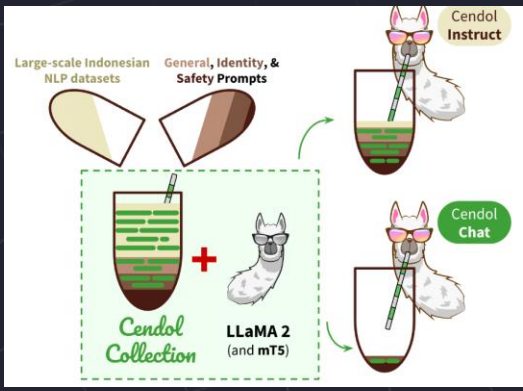
SOURCE CODE LINK CLICK HERE

My Projects – A.I / ML Engineering

RnD Team Project

Transfer Learning – LLM Fine Tuning using LLAMA 3.2 ©Meta 1B on CENDOL V2 Datasets ©IndoNLP for Conversational Tasks via LORA+ and Unsloth.

- Adapt Llama 3.2 for Indonesian: Tailor the capabilities of the Llama 3.2 1B model to accurately understand and generate Indonesian language content.
- Efficient Fine-Tuning with LoRA+: Use the LoRA+ technique to perform resource-efficient transfer learning, reducing computational demands while maintaining model performance.
- Enable Instruction-Tuned Responses: Train the model for specific instruction-based tasks in Indonesian, enhancing its usefulness in real-world applications like customer support, education, and content generation.



PROPOSAL LINK CLICK HERE

NOTEBOOK LINK CLICK HERE

My Projects – A.I / ML Engineering

RnD Team Project

Language Modelling Chatbot using Markov Model & Bayesian Network

- We developed a chatbot by integrating transfer learning with existing language models, optimizing it for specific tasks using Pytorch. The goal was to enhance the chatbot's conversational capabilities, particularly for Indonesian language contexts.
- The project combines Markov Models for sequence prediction, Bayesian Networks for decision-making, and transfer learning to leverage pre-trained models. This hybrid approach improves the chatbot's response accuracy, adaptability, and contextual understanding, making it efficient even in resource-constrained environments.

PROPOSAL LINK CLICK HERE

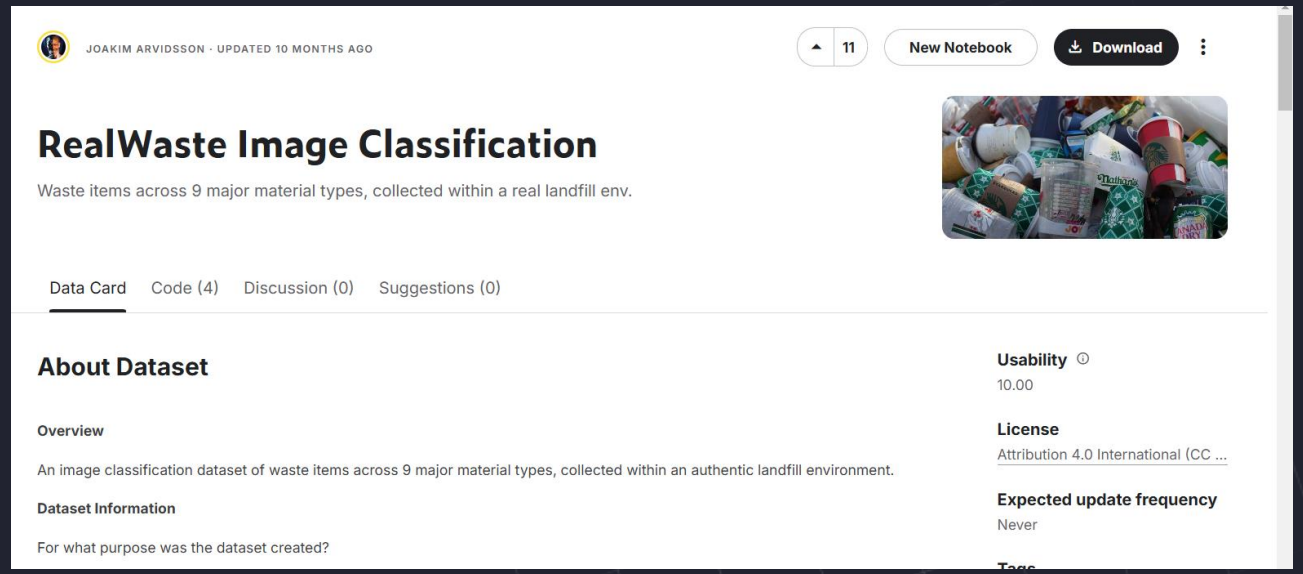
NOTEBOOK LINK CLICK HERE

My Projects – A.I / ML Engineering

On Going Project

Real Waste Image Classification using Convolutional Neural Network (CNN)

- Training datasets from https://www.kaggle.com/datasets/joebeachcapital/realwaste using TensorflowKeras + OpenCV
- Deploying model as Rest API and interface using Python Flask + StreamLit.



My Projects – Backend Engineering

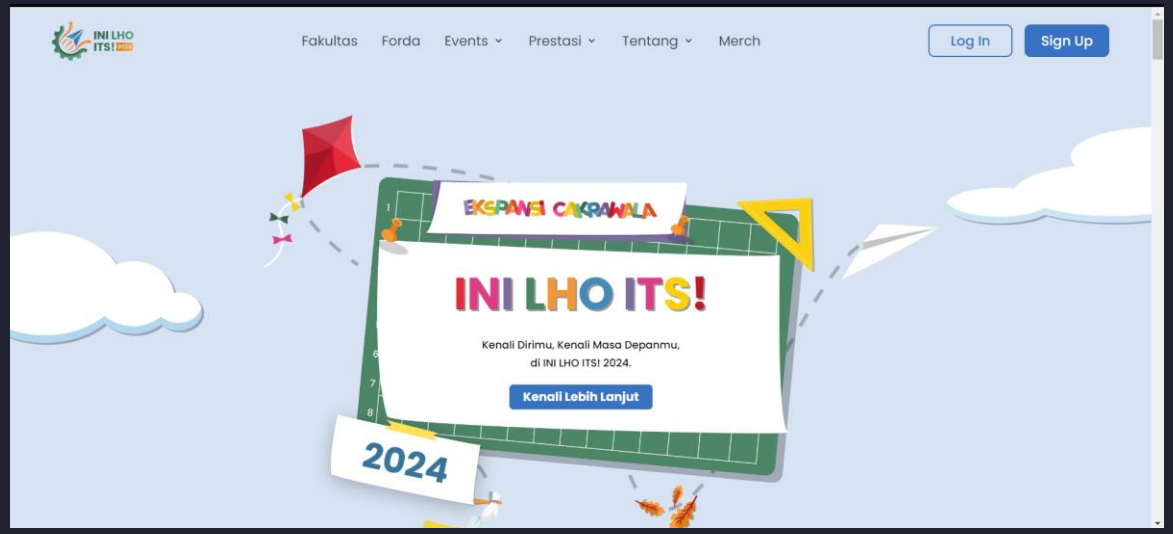
Quzuu Online Exam Platform

Rest API

- Building & Developing API with Clean Architecture and properly transfer data system using Golang (Gin, Gorm, and PostgreSQL).
- Source Code :

https://github.com/abdanhafidz/quzuu-api

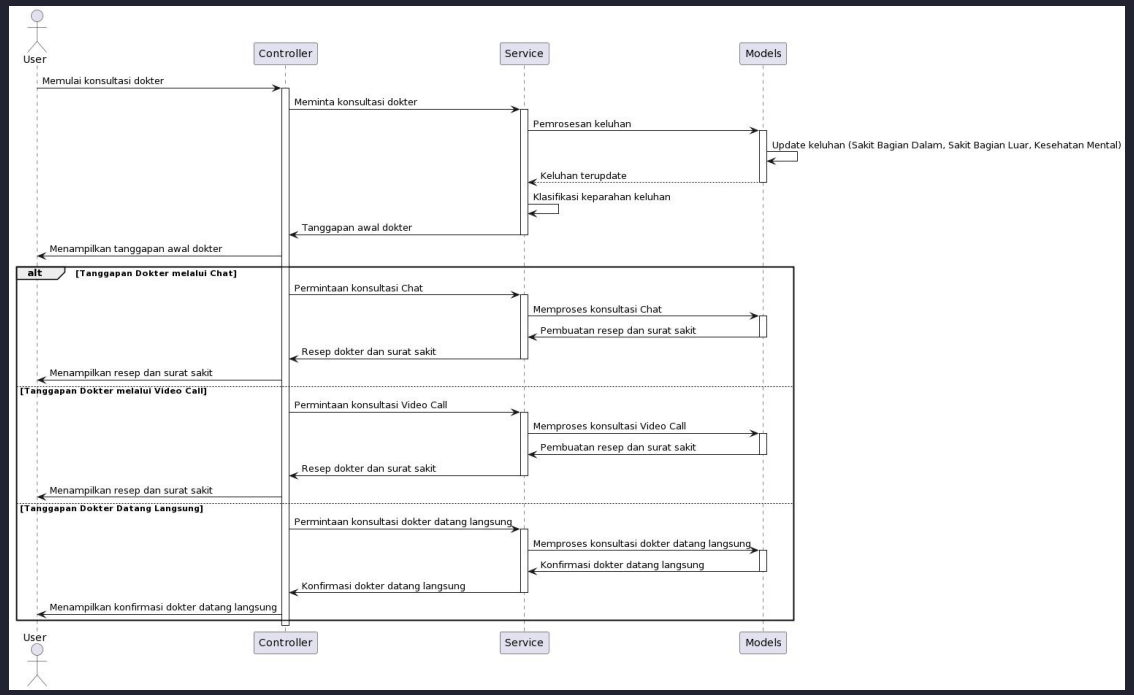
My Projects – Backend Engineering



INI LHO ITS REST API

- Building & Developing Rest API with Clean Architecture and properly transfer data system using Express JS, Sequalize ORM, dan MySQL.

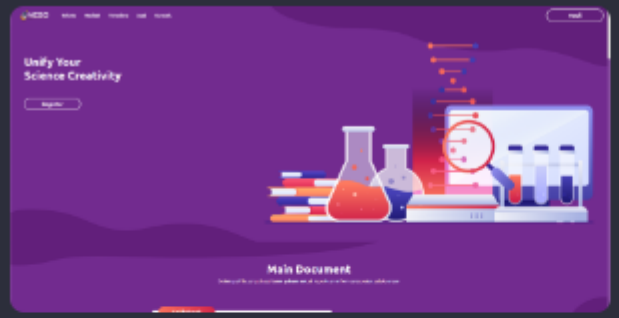
My Projects – Backend Engineering



Google Developer Hackfest 2024 – Umedic Backend

- Building & Developing API with Clean Architecture and properly transfer data system using Golang (Gin, Gorm, and PostgreSQL).
- Source Code : https://github.com/abdanhafidz/hackfest2024-umedic-backend

My Projects – Full Stack Development



NESO Student Online 2021

Science event landing page organized by Yayasan Pelatihan Sains Pelajar Indonesia

NESO Student Online Website

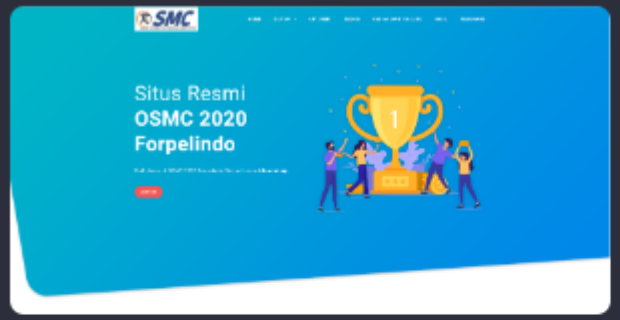
Science event landing page organized by Yayasan Pelatihan Sains Pelajar Indonesia

OSMC Main Website

Math event landing page organized by Yayasan Pelatihan Sains Pelajar Indonesia

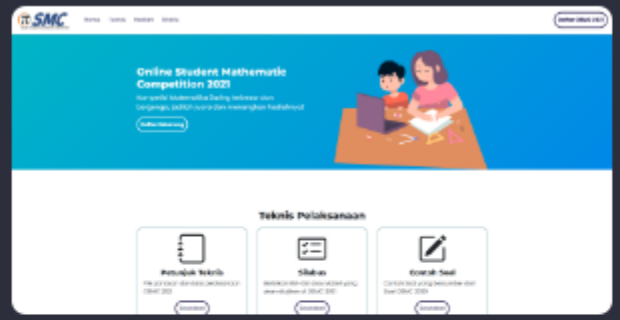
For further information please check my website https://abdanhafidz.com

My Projects – Full Stack Development



OSMC 2020

Math event landing page organized by Yayasan Pelatihan Sains Pelajar Indonesia



OSMC 2021

Math event landing page organized by Yayasan Pelatihan Sains Pelajar Indonesia

PRESITION Main Website

Science event landing page organized by Yayasan Pelatihan Sains Pelajar Indonesia

For further information please check my website **https://abdanhafidz.com**

My Projects – Full Stack Development

Computer Based Test (CBT) System Forpelindo

Online Examination Platform. (Including Administrator System)

Eventori Forpelindo (EvFo)

Online Event Organizer Platform, Including Registration menu, administrator panel, and etc

Sistem Informasi Validasi Sertifikat dan Piagam (SiDasiP)

Electronic Certificate E Sign Validation System

For further information please check my website **https://abdanhafidz.com**

My Projects – Full Stack Development

EvalatorKSN CBT System (Evalysys)

Online Examination Platform. (Including Administrator System)

Event EvalatorKSN

Online Event Organizer Platform, Including Registration menu, administrator panel, and etc

Quzuu Online Examination Platform

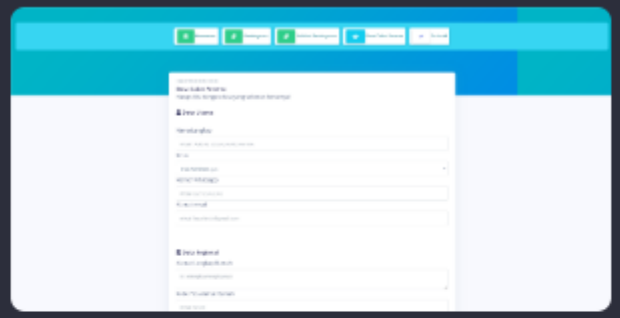
Self-developed platform, used in organizing try outs, practice questions, quizzes

For further information please check my website https://abdanhafidz.com

My Projects – Full Stack Development

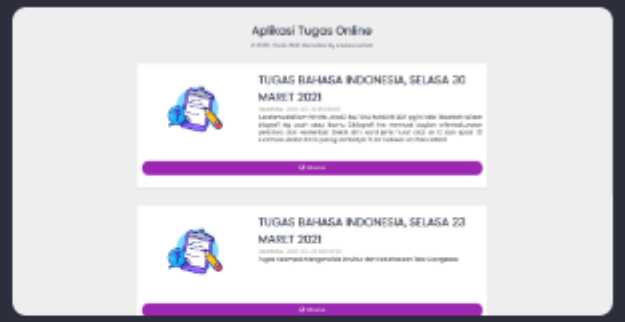
Loomba Dashboard UI Design

Event Organizer platform, concept, The project that I'm competing for IITC Intermedia Kom 2021



OSMC 2021 - Registration System

Online Event Registration System (Including Administrator Panel)



Aplikasi Tugas Online

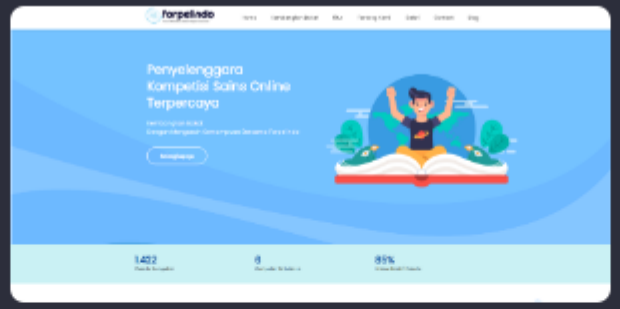
Online Assignment Website

For further information please check my website https://abdanhafidz.com

My Projects – Full Stack Development

PT Antares Dwima Pratama

Marine Surveying service provider company website



Yayasan Pelatihan Sains Pelajar Indonesia

National Education Foundation organization profile website

EvalatorKSN

EvalatorKSN company profile website

For further information please check my website **https://abdanhafidz.com**

My Projects – Full Stack Development

Loomba Event Platform UI Design

Event Organizer platform, concept, The project that I'm competing for IITC Intermedia Kom 2021

OSIS MPK SMAN 58 JAKARTA

SMAN 58 Jakarta Students Council Organization Profile website. Featured with aspiration system

MabaCUP ITS 2023 (Backend)

Building Rest API with Express TS, Prisma ORM, and MYSQL

For further information please check my website **https://abdanhafidz.com**

My Projects – Full Stack Development

Feez Edutech Platform

potential education and skill development platform

My Anime List.net's API Consume

Consume My Anime List.net's API with NEXT TS and View it with TSX

Olympia Gold Academy

Competitive Programming event landing page

For further information please check my website **https://abdanhafidz.com**

My Projects – Content Creating

Content creating in field of Computer Science funfacts and Mathematical Reasoning.

My Projects – Teaching

Currently I’m working as a Part-Time :

- Private Teacher for Python and C++ Programming Course
- OSN Informatika Preparation class
- Training of Trainer (ToT) Tentor

Source code : https://github.com/abdanhafidz/teaching-portfolio

linkedin.com/in/abdan-hafidz/

@abdan_hafidz

mengCP

github.com/abdanhafidz

www.abdanhafidz.com