MUHAMMAD ICHSAN FIRDAUS

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OBJECTIVE

I am an enthusiastic third-year Informatics Engineering student at Universitas Padjajaran with a strong passion for Artificial Intelligence and its applications. I specializes in quickly learning new skills, problem solving, and many programming languages and library/frameworks such as Python, React, Express, HTML, CSS, JS, etc. With a logical and analytical mindset, I prioritize facts and data, striving to understand the underlying mechanisms of systems and their functionality. Currently aspiring to be a dual wielder of Data Scientist and Full-Stack Developer.

EXPERIENCE

Project-Based Virtual Intern : Data Scientist ID/X Partners x Rakamin Academy

ID/X Partners | Remote   Jan 2025 – Feb 2025

- Considered an Excellent Student with overall score of 85.04.
- Completed 32+ tasks, which my role involves Data Understanding, Visualizing Exploratory Data Analysis, Preparing the Data for training, making Pipeline for Model Training, Evaluate Trained Model, and has finished the Final Project.
- Completed the internship remotely, which takes discipline and resiliency.

Bangkit Academy Machine Learning Cohort

Supported by Google, Tokopedia, Gojek, and Traveloka | Remote   Sep 2024 – Dec 2024

- Full Graduate with overall score of 87.00 (A) and 100% Student's attendance.
- Completed 20+ courses and received 20+ certificates in the fields of Data, Machine Learning, Deep Learning, Appliances of AI, etc.
- Completed a Capstone Project with a product output titled Agriclime, an Android-based weather app specifically designed for farmers, in collaboration with 6 other individuals.
- Completed six soft skills mentoring sessions and various assignments throughout the program duration

Laboratory Teaching Assistant

Universitas Padjajaran | Sumedang, West Java   Feb 2024 – Dec 2024

- Conducted two-hour lecture session per week.
- Offered guidance and assistance on class final projects to students and test the final results of their projects as graduation standards.
- Subjects that i taught :
  - Data Structures (Feb 2024 - June 2024)
  - Object Oriented Programming (Sep 2024 – Dec 2024)

EDUCATION

Teknik Informatika

Universitas Padjajaran | Sumedang, West Java   Aug 2022 - Present

Cumulative GPA: 3.68/4.0

Relevant Coursework: Artificial Intelligence; Software Development;

ORGANIZANITIONAL EXPERIENCE

KADIN YOUNG INNOVATORS BANDUNG

Staff of Research & Innovation Division   April 2025 - Present

- Responsible for gathering both primary and secondary data to provide comprehensive analyses of various issues—either regularly or upon request.

HIMATIF FMIPA UNPAD

Head of Cadre Department   Feb 2024 – Dec 2024

- Led a group of 6 people and supervising the training of new students in Computer Engineering and potential leaders regeneration of Himatif FMIPA UNPAD

Staff of Cadre Department   Feb 2023 – Dec 2023

- Trained new students in Teknik Informatika in getting to know the campus and surrounding environment and potential leaders regeneration of Himatif FMIPA UNPAD

BEM FMIPA UNPAD

Staff of External Relations Department   Mar 2023 – Dec 2023

- Maintained good relations and increased the community existence in West Java and even Indonesia.

PROJECTS

HIMATIF APPS V2

Front – End Developer   Jan 2025 - Present

- Migrated the existing tech stack to Next.js for better scalability and documentation
- Designed 5+ features on Figma and implemented them into user-friendly web pages.

EDUSIAP

Back – End Developer   Mar 2025 – Present

- Designed a scalable RDBMS schema and implemented it to ensure data safety and functionality
- Developed 10+ RESTful API using Node.js and Express.js, which concludes all functionality of a video player platform

Credit Risk Prediction

Data Scientist   Feb 2025

- Final Project of ID/X Partners Internship
- Performed comprehensive data wrangling and exploratory data analysis (EDA) to prepare and understand the dataset prior to modeling.
- Developed two prediction models, both achieving over 97% accuracy on validation

ADDITIONAL

Technical Skills

Skilled in Python, Excel, PowerBI, React, Express, Javascript, HTML, CSS

Languages

Fluent in Indonesian; Conversational Proficiency in English