

NAFIS AZIZI RIZA

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EDUCATION

Universitas Indonesia

Aug 2021 - Jun 2025

- Bachelor of Computer Science / Sarjana Ilmu Komputer (S.Kom), Cumulative GPA: 3.75/4.0
- Relevant Coursework: Data Structure & Algorithm, Platform Based Development, Database, Operating System, Computer Organization

National University of Singapore

Jan 2023 - May 2023

- Exchange students under ASEAN University Network Program, awarded UI RISE Scholarship
- Coursework: Design and Analysis of Algorithm, Interaction Design, Computer Network, Software Engineering & OOP, Programming Methodology II

SKILLS

Programming Languages

C++, Python, Java, Kotlin

Web/Mobile Development

React, Typescript, Javascript, HTML, CSS, Django, Flutter, Dart

Data, AI/ML

MySQL, PostgreSQL, MongoDB, TensorFlow, Keras, PyTorch, Scikit-Learn

EXPERIENCE

Teaching Assistant

Aug 2022 - Jan 2023

Universitas Indonesia

Depok, Indonesia

- Taught and mentored a group of 8-9 students resulting in improved student performance and engagement.
- Led weekly lab meetings, created and assessed labs and programming assignments, tracking measurable progress and observing an average grade improvement of 75% among students.

Project Dev Intern, Business Dev Dept.

Oct 2022 - Dec 2022

AIIESEC in Universitas Indonesia

Depok, Indonesia

- An international global platform for youth to develop their leadership potential through practical experiences.
- Evaluated annual program, Lead Series 2022, and proposed actionable recommendations for improvement.
- Led the planning process for a new initiative, scholarship program, including creating the deck and proposal.

Data Science Academy Staff

Apr 2022 - Nov 2022

Data Science Academy - COMPFEST 14

Depok, Indonesia

- The biggest IT event in Indonesia held by students, aims to maximize the potential of technology.
- Developed 7+ the [pre-module for the Data Science Academy](#) (ML Libraries, Statistics, Python tools) and prepared ToR for the speakers.
- Measured the curriculum to ensure its effectiveness & relevance, leading to improvements in content delivery.

PROJECTS

MatkulGue, University Course Catalog, Timetable Builder, and Course Planner

- Built a MERN stack web application for creating a course catalog and building personalized timetables. Incorporated a RESTful API to provide secure and efficient data access, enabling seamless integration.
- Scraped the course information (6K+) from the university official websites and setting up the database
- Improved scheduling efficiency & received positive feedback on the user-friendly interface and unique feature

ACB-ISBE, Conference Proceeding App, Web & Mobile App Version

- Designed and developed an app to enable conference participants to access various informations of the conference using Python Django framework and Flutter.
- Managed the design and processing of the app's database, and created a robust search feature
- Implemented HTTP GET and POST endpoints in the backend to retrieve and submit data securely.

SIREST, Fullstack Web App for Restaurant Order and Delivery

- Designed and executed the database schema using PostgreSQL.
- Built and deployed the websites by utilizing Django, ensuring seamless user experience and functionality.

Prediction Starcraft II Matches, Generate ML Model to Predict Matchup of Each Games

- Performed EDA and made a predictive machine learning model to forecast matchups in Starcraft II matches with 80% accuracy.

Climate Change Analysis, Data Analysis (EDA) Dashboard About Climate Change in Indonesia

- Carried out [EDA on a climate change dataset in Indonesia](#), by utilizing libraries, resulting in the identification of key trends and patterns in climate change data.

ACHIEVEMENTS

- **Top 20 (from 200+ teams) of Information technology Business Competition, Gemastik 2022.** The biggest IT competition in Indonesia held by Ministry of Education.