Mohammad Akmal Ramadan

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Education

Bandung Institute of Technology **Sep. 2022 – Present**
Bachelor of Science in Computer Science *Bandung, Jawa Barat*

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Internet Technology
- Systems Programming
- Computer Architecture

Experience

OSKM ITB **July 2023 – September 2023**
Frontend Developer *Bandung, Jawa Barat*

- Developed a login and forgot password page using NodeJS.
- Authenticated 1500+ users with separated admin and user pages through login page using PostgreSQL.

Organization / Extracurricular

Bakti BCA Scholarship **December 2023 – Present**
Awardee *BCA*

- Selected as 1 of 40 ITB students to receive this prestigious scholarship through *jalur prestasi*.
- Currently participating in a comprehensive self-development program with 50+ hours of training.
- Leading a team of 5 members in the creation and implementation of a social project.

Google Developer Student Club ITB **October 2022 – October 2023**
Machine Learning and Artificial Intelligence Student *Google Indonesia*

- Capable of working with database management systems (DBMS), including MySQL.
- Developed an application using natural language processing (NLP) techniques.

Digistar Class **August 2024 – Present**
Hacker - Backend student. *Telkom Indonesia*

- Selected as 1 of 500 from 12.500+ applicants.
- Participated in 3-days soft skill classes to improve public speaking, team work, career path, and many more.
- Coached by one of Telkom Indonesia developer to improved backend skill and knowledge.

Projects

Gym Reservation Bot | *Python, Selenium, Google Cloud Console* **January 2021**

- Developed an automatic bot using Python and Google Cloud Console to register myself for a timeslot at my school gym.
- Implemented Selenium to create an instance of Chrome in order to interact with the correct elements of the web page.
- Created a Linux virtual machine to run on Google Cloud so that the program is able to run everyday from the cloud.
- Used Cron to schedule the program to execute automatically at 11 AM every morning so a reservation is made for me.

Ticket Price Calculator App | *Java, Android Studio* **November 2020**

- Created an Android application using Java and Android Studio to calculate ticket prices for trips to museums in NYC.
- Processed user inputted information in the back-end of the app to return a subtotal price based on the tickets selected.
- Utilized the layout editor to create a UI for the application in order to allow different scenes to interact with each other.

Transaction Management GUI | *Java, Eclipse, JavaFX* **October 2020**

- Designed a sample banking transaction system using Java to simulate the common functions of using a bank account.
- Used JavaFX to create a GUI that supports actions such as creating an account, deposit, withdraw, list all acounts, etc.
- Implemented object-oriented programming practices such as inheritance to create different account types and databases.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio
Technologies/Frameworks: Linux, Jenkins, GitHub, JUnit, WordPress