Rafy Akbar

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EDUCATION

Georgia Institute of Technology   Atlanta, GA
Bachelor of Science in Computer Science   *Jan. 2022 – May 2024*

Edmonds College   Lynnwood, WA
Associate of Science in Computer Science   *Sep. 2019 – Aug. 2021*

EXPERIENCE

Web Developer Intern   June 2023 – Aug. 2023
Indonesia Infrastructure Guarantee Fund   *Jakarta, Indonesia (Remote)*

- Developed a full-stack web application using **Nextjs**, **React**, and **MongoDB** to display guaranteed infrastructure projects within government institutions for stakeholders
- Developed a responsive and mobile-friendly design for dynamic user experience across different screen sizes using utility-first CSS framework **Tailwind CSS**
- Collaborated with a colleague to translate user stories into project requirements, leading to improved project efficiency and completion within the project timeline

Python Developer Intern   July 2021 – Sep. 2021
Aplikanusa Lintasarta   *Jakarta, Indonesia (Remote)*

- Developed a full-stack web application using **Python**, **Flask**, and **SQLite** to centralize employees directories/links into a single page application (SPA)
- Utilized **SQLite**, an open source SQL engine with built-in **Python** support to store data in the back-end
- Collaborated with 2 interns and senior developer to brainstorm and implement ideas into the app's development

PROJECTS

Diskusi | *Typescript, React, Nextjs, MongoDB*   July. 2023 – Aug. 2023

- Developed a full-stack web application using **Nextjs**, **React**, and **MongoDB** that allowed users to post, edit and delete discussions in a blogsite
- Used **Typescript** to ensure readability and improve type safety for debugging and testing development
- Implemented database using **MongoDB** for flexibility and ease of maintenance

Stockify | *Python, Django, TA-Lib, MatPlotLib*   Feb. 2023

- Competed with nearly 80 teams in hackathon at Georgia Tech by working with 3 colleagues to develop a stock analysis and prediction tool app
- Developed a full-stack web application using **Python** and **Django** to analyze and rank companies based on their potential for investment
- Analyzed 10 major companies in NASDAQ to visualize data related to the stock performance of each corresponding company
- Used **TA-Lib** and **MatPlotLib** to calculate RSI and OBV based on factors such as price and volume for each company

Student Management | *Python*   July 2021

- Developed a console-based CRUD student management system using **Python** to manage student records in a hypothetical school
- Implemented simple export/import feature for saving student list locally and opening external file
- Used JSON data format for cross-compatibility and easy parsing

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, Typescript, HTML/CSS, R, SQL, Visual Basic
Frameworks: React, Node.js, Flask, Django, Tailwind CSS, Bootstrap
Developer Tools: Git, Docker, Postman, VS Code, Visual Studio, PyCharm, IntelliJ, Netbeans
Libraries: pandas, NumPy, Matplotlib, TA-Lib, JavaFX