HABIBA ADAM SALISU

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Summary

To secure a position as a Junior Software Engineer in a dynamic and expanding organization, leveraging my proficiency in programming, particularly in Python, Javascript, and C. My goal is to apply my advanced skills in these languages to enhance organizational efficiency and contribute significantly to the company's success

Technical Skills

Programming Languages: C, Python, Flask, SQL, Javascript, Basic knowledge of React-Js, HTML, CSS and Bootstrap
Technologies/Tools: Git, Docker, Nginx, Gunicorn, Excel, PowerBI, Visual Studio Code, GitHub, CodeSandBox, Netlify
Operating Systems: Linux, MacOS

Academic Projects/ Experience

CELESTIAL PALATE | Python, MySQL, Flask, HTML, CSS, Bootstrap
- Luxury Dining Showcase: Built a website for a high-end restaurant with locations in South Africa, Japan, and Italy
- Seamless User Experience: Enabled online menu browsing and reservation booking, streamlining the dining experience for users
- Robust Backend: Utilized Flask to construct a RESTful API for efficient data exchange between the front-end and the database.
- Responsive Design: Employed HTML, CSS, and Bootstrap to create a visually appealing and user-friendly interface that adapts seamlessly across devices.

AIRBNB CLONE | Python, MySQL, Flask, HTML, CSS

- Full-Stack Proficiency: Gained expertise in the entire application development lifecycle by using Python (backend), MySQL (database), Flask (web framework), HTML, and CSS (frontend)

- Scalable & Efficient Design: Implemented Object-Oriented Programming (OOP) for a modular and scalable codebase, and transitioned from JSON to a MySQL database using Object-Relational Mapping (ORM) for improved data management.
- Enhanced User Experience & Deployment: Built a user-friendly command-line interface (CLI) for interaction and designed a dynamic webpage with progressive features and improvements. Bonus: Deployed the project using a server, leveraging Nginx for web hosting and Gunicorn as an application server. Additionally, I created a RESTful API around the Airbnb clone, further extending its capabilities and enabling seamless interactions.

WEATHER APP | Javascript, React-Js, HTML,CSS, Bootstrap

- Real-time Weather at Your Fingertips: Developed a user-friendly interactive weather app using Javascript, initially built with HTML, CSS, and Bootstrap. (Recently migrated to React-Js for enhanced functionality.)
- Global Reach with Accurate Data: Leveraged an external API to fetch real-time weather information and time for any city worldwide, ensuring accuracy and relevance.
- Beyond Basics: Successfully deployed the weather app on Netlify, showcasing proficiency in web development and deployment processes. The app uses real-time data to display weather forecasts, offering additional insights to users

SIMPLE_SHELL: Building a Shell I C

- Replicated essential functionalities of the Bash shell in the Simple Shell project9, in both interactive and non-interactive
- Gradual mastery: Started with basic commands (ls) and progressed to handling arguments (ls -l).
- Enhanced experience: Introduced the env command to display environment variables and provided a built-in exit for smooth termination.
- Implemented built-in commands, including 'exit' for effective shell termination

MONTY: A Bytecode Interpreter | C

- Custom scripting language: Created an interpreter for Monty bytecode, similar to Python.
- Stack-based operations: Implemented functions like push, pop, swap, and various arithmetic operations
- Developed commands for data manipulation (stack/queue), printing, and string operations

Personal/ Side Projects

[T0-D0-LIST-APP](#) | Python
- Built a basic to-do list app where users can add, view, and mark tasks for completion through a user-friendly entry column and listbox
- The app includes an emoji dropdown menu for user interactivity, allowing users to personalize their task entries
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[CONTACT BOOK](#) | Python
- Users can swiftly save, update, and delete contact details using a Python Tkinter app, streamlining the process of storing names, phone numbers, and emails.
- The app features a treeview display showcasing all existing contacts, complete with a search bar and box for easy navigation in case of a lengthy contact list, and also being able to exit gracefully.

Education

ALX, Holberton School Of Coding   March 2022 - Present
Software Engineering
Relevant CourseWork: System Engineering Devops, Data Structures and Algorithms in C, OOP in Python, DataBase Systems, Networking.

Referees

Available On Demand