Anaf Ibn Karim

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Driven computer science student with a deep passion for web development and software engineering. I love learning and building new things, from simple scripts to automate daily tasks to complex web apps to solve complex problems. I thrive in collaborative environments and I'm eager to apply academic and practical experience to make meaningful contributions to the company's goals and solve real world problems.

Education

Aston University

Bachelor of Science | Computer Science   Sep 2022 - Jul 2025
- Led a university team in a year-long project to create a full stack ecommerce website using Laravel and Tailwind CSS.
- Created a consistent user interface design system for the website using Figma and atomic design principles.

Experience

Software Developer

Homestedt | Remote   Jan 2024 - Apr 2024
- Designed the database schema, ensuring a robust foundation for efficient data management within the Homestedt platform, showcasing strong project support and innovation skills.
- Developed frontend using React, creating an intuitive and responsive user interface that streamlined user interaction and enhanced overall user experience, demonstrating communication skills and an understanding of client engagement.
- Gained experience in JavaScript, Next.js, PostgreSQL, and Tailwind CSS, highlighting proficiency in software development and effective time management while contributing to innovative solutions.

Kitchen Helper

Rajbari Indian Cuisine | Rugeley   Dec 2022 - Apr 2023
- Efficiently washed dishes, utensils, and cookware, maintaining a constant supply of clean items and demonstrating strong time management and prioritisation skills
- Retrieved requested ingredients and supplies from the fridge, supporting kitchen staff and enhancing team engagement and communication skills.
- Kept the kitchen area clean and organised, ensuring a smooth workflow and showcasing a proactive self-starter attitude and collaborative work ethic.

Projects

Urban Threads
- Developed a full-stack e-commerce platform as part of a team project using Laravel, Blade, and Tailwind CSS.
- Directed the front-end development team, ensuring cohesive design implementation, adherence to best practices.
- Implemented both customer and admin interfaces, providing tailored experiences for different user roles.
- Managed deployment on university servers and collaborated via GitHub to ensure professional version control and team coordination.

AProject
- Developed a web application for students to create profiles, upload software projects, and manage project documentation, using PHP, HTML, CSS, JavaScript, and Bootstrap.
- Designed and implemented a robust MySQL database schema to store and efficiently retrieve project and user data, ensuring seamless interaction and smooth user experience.

- Utilised PHP for server-side scripting, managing user authentication and database operations, while employing Bootstrap for a responsive, mobile-friendly interface across different devices.

2D Shooter Game
- Developed a multiplayer 2D shooter game as part of a college Non-Exam Assessment (NEA), implementing core mechanics like character movement, shooting, and game physics using Python and Pygame.
- Integrated real-time multiplayer functionality, handling player connections and game state synchronisation across multiple clients to ensure competitive and fair gameplay.
- Solved performance optimization challenges and maintained a smooth gaming experience by leveraging a strong understanding of Python and game development principles.

Latin to Arabic converter with harakaat
- Developed a web-based application that converts Latin transliterations of Arabic text into accurate Arabic script, including correct harakaat (diacritical marks) using JavaScript, SCSS, HTML, and CSS.
- Created an intuitive user interface that enhances user experience, allowing linguists, educators, and learners to accurately convert and display Arabic text, ensuring proper pronunciation and readability.
- Focused on ensuring high accuracy and efficiency in text conversion, providing a valuable resource for anyone working with Arabic transliteration.