

Anaf Ibn Karim

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PERSONAL PROFILE

Enthusiastic Computer Science student with a strong foundation in software engineering and web development. Proven ability to design and implement full-stack applications, collaborate effectively in team settings, and apply academic knowledge to real-world challenges. Passionate about Linux and open-source software and eager to contribute to innovative projects and drive technological advancements.

EDUCATION

Aston University (Aston, Birmingham)

September 2022 - July 2025

- Led a team project to develop a full-stack e-commerce website called UrbanThreads, using Laravel and Tailwind CSS.
- Designed a consistent user interface system with Figma, adhering to atomic design principles.
- Studied key modules, including Object-Oriented Programming, Internet Applications & Databases, Mathematics for Computing, and Data Structures & Algorithms.

WORK EXPERIENCE

Homesteadt (Remote)

January 2024 - April 2024

- Designed and implemented a robust database schema, optimizing data management for the Homesteadt platform.
- Developed a responsive frontend with React, enhancing user engagement and experience.
- Utilized JavaScript, Next.js, PostgreSQL, and Tailwind CSS to deliver efficient software solutions.
- Employed Docker for containerization, facilitating consistent and scalable application deployment.

PROJECTS

AMT – Aston Moderation Tracker

github.com/NextPr0gram/amt

- Developed a full-stack web application to manage and automate academic assessment moderation processes at Aston University to be used by the moderation staff.
- Utilized TypeScript, Node.js, Express, and Prisma ORM for backend API, ensuring robust and scalable server-side operations.
- Implemented frontend with Next.js, React, and Tailwind CSS, creating a responsive and user-friendly interface.
- Used PostgreSQL for database, optimizing data storage and retrieval.
- Integrated authentication and authorization using JSON Web Tokens (JWT) for secure user management.

Urban Threads

github.com/NextPr0gram/UrbanThreads-Team-project-7

- Developed a full-stack e-commerce platform using the LAMP stack: Apache webserver, PHP, Laravel, MySQL, JavaScript, AlpineJS and Tailwind CSS.
- Directed front-end development, ensuring cohesive design and adherence to best practices.
- Implemented user interfaces for both customers and administrators, providing tailored experiences.
- Managed deployment on university servers and collaborated via GitHub for version control.
- Organized project documentation and team coordination using Notion.
- Designed intuitive web interfaces in Figma, optimizing for user experience (UX) and user interface (UI).

AProject

github.com/NextPr0gram/AProject

- Developed a web application enabling students to create profiles, upload software projects, and manage documentation using PHP, HTML, CSS, JavaScript, and Bootstrap.
- Designed and implemented a MySQL database schema to efficiently handle project and user data.
- Utilized PHP for server-side scripting, managing user authentication and database operations.
- Employed Bootstrap to create a responsive, mobile-friendly interface.

2D Shooter Game

- Developed a multiplayer 2D shooter game for the Non-Exam Assessment (NEA) in college, implementing core mechanics using Python and Pygame.
- Integrated real-time multiplayer functionality by handling client requests and responses, ensuring synchronized gameplay across clients.
- Utilized JSON for efficient data serialization and deserialization, facilitating seamless communication between clients and the server.
- Optimized performance to maintain a smooth and responsive gaming experience.

Latin to Arabic Converter with Harakaat

github.com/NextPr0gram/Latin-transliteration-to-Arabic-converter

- Developed a web-based application converting Latin transliterations of Arabic text into accurate Arabic script, including diacritical marks, using JavaScript, SCSS, HTML, and CSS.
- Created an intuitive user interface, aiding linguists, educators, and learners in accurate text conversion.
- Ensured high accuracy and efficiency in text conversion, providing a valuable linguistic resource.