🔷 BASAAM QASEM

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🔗 Portfolio: https://basaamqpro.github.io/

🚀 PROFILE

Motivated Computer Science student with hands-on experience in front-end development and foundational software engineering principles. Strong understanding of HTML, CSS, JavaScript, and React, with experience building interactive web applications and implementing core programming concepts such as algorithms, data manipulation, and API integration.

Passionate about building clean, responsive, and user-focused interfaces while continuously strengthening backend and system-level knowledge. Currently seeking an entry-level Front-End Developer role where I can contribute to production-grade applications and grow within a collaborative engineering team.

🛠 TECHNICAL SKILLS

Front-End

- HTML5
- CSS3
- Responsive Design
- JavaScript (ES6+)
- React.js
- React Native
- DOM Manipulation

Programming

- Python (NumPy, Pandas)
- Java

- PHP

- SQL

Tools & Technologies

- Git & GitHub

- VS Code

- REST APIs

- Basic UI/UX Principles

- Basic Data Structures & Algorithms

Currently Strengthening

- Advanced React patterns

- Clean architecture

- Time & Space Complexity

- Backend integration & API security

💼 PROJECTS

🔷 Linguaplus (Language Learning Application)

- Designed and developed an interactive sentence-building application.

- Implemented dynamic word selection with category-based filtering.

- Integrated real-time updates and scroll-based word generation.

- Focused on modular code structure and scalable vocabulary expansion.

- Applied Java-based development principles with UI logic separation.

🔷 Interactive HTML Live Editor

- Built a browser-based live HTML editor with real-time preview rendering.

- Implemented syntax highlighting and dynamic code updating.

- Designed responsive layout for desktop usability.

- Improved understanding of DOM rendering and event-driven programming.

🔷 AI Mini Transformer Model (Educational Project)

- Implemented a lightweight GPT-style transformer model from scratch.

- Structured dataset pipelines for training on local machine.

- Applied understanding of neural networks, tokenization, and model architecture.

- Focused on memory efficiency within hardware limitations (4GB RAM).

🔷 Data Processing Scripts (Python)

- Built scripts to read files and compute statistical summaries (mean, median, range).

- Practiced data manipulation using Pandas and NumPy.

- Applied structured logic and clean function design.

🎓 EDUCATION

BSc Computer Science
University of West London
(Expected Graduation: 2028)

Relevant Modules:

- Data Structures & Algorithms

- Computer Architecture

- Software Engineering Principles

- Databases

- Artificial Intelligence Fundamentals

📚 ADDITIONAL EXPERIENCE

Self-Directed Learning

- Completed online tutorials in neural networks and deep learning.

- Explored CNNs, RNNs, and transformer architectures.

- Built multiple small-scale applications to strengthen algorithmic thinking.

💡 STRENGTHS

- Strong problem-solving mindset

- Systems-level thinking

- Quick learner with deep curiosity

- Comfortable working independently

- Able to explain technical concepts clearly

🎯 CAREER OBJECTIVE

To develop as a front-end engineer contributing to high-quality, scalable web applications while continuously improving software engineering depth, performance optimization skills, and system design knowledge.