Agnik Mondal - Web Developer

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🧑‍💻 Professional Summary

Passionate Web Developer with a strong foundation in HTML, CSS, SASS, JavaScript, and frameworks like Tailwind CSS and Node.js. Experienced in building responsive, user-centric web applications with a keen eye for design and functionality. Proficient in C and C++, Python adding versatility to my coding skill set. Always eager to learn and implement new technologies to deliver impactful solutions.

💻 Technical Skills

- Frontend: HTML, CSS, SASS, Tailwind CSS, JavaScript
- Backend: Node.js, Express.js, EJS
- Database: MySQL
- Programming Languages: C, C++
- Tools & Platforms: Git, VS Code, Github, npm
- Other Skills: UI/UX Design, Responsive Design

📚 Education

Bachelor of Computer Applications (BCA)
University of Engineering & Management, Newtown | 2024

📂 Projects

1. BMI Calculator

  - Developed a dynamic BMI calculator to calculate and display user health metrics.

  - Technologies: HTML, CSS, JavaScript

2. Quiz App

  - Created a fully functional quiz application with interactive UI/UX.

  - Features include question randomization and a real-time score tracker.

  - Technologies: Node.js, EJS, MySQL

3. RC Car with Raspberry Pi (In Progress)

  - Designed an RC car using OpenCV for video processing and a Python-based control system.

  - Technologies: Python, C++, Iot

4. Hand Gesture Controlled Mario Game

   - Integrated OpenCV and Pygame for gesture-based gameplay.

   - Technologies: Python, OpenCV

🌟 Achievements

- Built a portfolio website showcasing design and development projects, demonstrating advanced skills in responsive design and interactivity.

- Optimized a database system for a small-scale application, reducing query times   by 30% through efficient indexing and schema design.

- Gained exposure to UI/UX through practical design tasks in Figma.

- Successfully integrated backend functionalities using Node.js and MySQL.

📈 Strengths
- Strong problem-solving and debugging skills.
- Creative mindset with an eye for detail in both design and development.
- Ability to work collaboratively in teams and independently.

🤝 Interests
- Frontend and Backend Development
- UI/UX Design and Animation
- Exploring 3D modeling and interactive web applications