Ashar Ali

Software Developer

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Professional Statement

A passionate web developer who loves building smooth digital experiences. Turning late-night bugs into polished UIs, console logs into happy clients, and messy ideas into clean, scalable full-stack solutions — powered by React, Node.js, and a love for coding and design.

Education

Bachelor's in Computer Science   **August 2023 - Present**
National University of Computer and Emerging Sciences (NUCES Lahore)

FSC Pre Engineering   **2021 - 2023**
Punjab Group of Colleges (Bahawalpur)

Projects

Movie Recommendation System | AI-Powered Full Stack Web App (Content-Based Filtering)
- Designed and built a modern React.js frontend with real-time movie search, infinite scrolling, modals, and dynamic watch/like lists to boost user engagement
- Integrated a basic content-based filtering machine learning algorithm through a Flask API with backend to deliver personalized movie recommendations based on genres and user preferences
- Connected TMDB API and optimized frontend state management using React Hooks to ensure fast, smooth data fetching, display, and seamless user interaction

Social Media CLI Platform | C++
- Developed a command-line based social media simulation in C++, enabling users to log in, post content, and interact through likes and comments.
- Implemented object-oriented design principles to manage user data, post handling, and session flow with efficient file I/O for persistent storage.

Snake Game (Console Based) | C++
- Built a classic Snake Game in C++ using console graphics, handling game loop, input, collision detection, and score tracking.
- Applied procedural programming techniques to manage game logic, real-time movement, and dynamic food spawning.

Technical Skills

- **Languages:** C, C++, JavaScript (ES6 +), Assembly (x86)
- **Web Development:** HTML/CSS, Tailwind CSS, React.js, Express.js, Node.js
- **Databases:** SQL (MySQL), Database Design
- **Tools**: Git/GitHub, Bash, Linux CLI (Ubuntu)

Achievement & Extras

- **Dean's Honor Certificate FAST NUCES, Fall 2024**
- **Open Source Contributor:** Made contributions to GitHub projects
- **Languages:** Proficient in English and Urdu; native fluency in Punjabi
- **Rapid Learner:** Quick to adapt and excel in new technologies and environments