

YUSRA ASHAR

SOFTWARE DEVELOPER

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SUMMARY

Computer Science student with hands-on experience in Java, C++, Python, JavaScript, and SQL. Skilled in full-stack web development, database systems, and systems programming, with a strong foundation in algorithms, data structures, and operating systems. Proven ability to build, debug, and deploy applications across multiple layers of distributed environments. Passionate about UI/UX design, accessibility, and scalable cloud-ready solutions.

EXPERIENCE & PROJECTS

Software Development Projects | CSUMB & Personal Aug 2024 - Present

- Developed and deployed responsive web apps using JavaScript, Node.js, and Express; integrated REST APIs and localStorage features.
- Designed and optimized relational databases in SQL with ER diagrams and normalization; tuned queries for performance.
- Built C/C++ systems programming projects, including a custom memory allocator, applying debugging and performance optimization.
- Created Python applications for automation, algorithms, and OOP-based problem solving.
- Applied UI/UX principles to ensure accessible and user-friendly interfaces across projects.

Selected Highlights:

- Interactive quiz application with validation, scoring, and persistent history using Web Storage.
- Single-page application with modular JavaScript, routing, API integration, and responsive UI.
- C++/SQL database system for backend logic, reporting, and indexing.

EDUCATION

Bachelor of Science in Computer Science Expected 2026

California State University, Monterey Bay

Coursework: Algorithms & Data Structures, Database Systems, Web Development, Software Engineering, Operating Systems, UI/UX

Associate of Science in Computer Science & Engineering Aug 2022 – May 2024

Los Angeles Harbor College

SKILLS

Languages: Java, C++, Python, C, JavaScript, SQL

Web Development: HTML, CSS, React, Node.js, Express, Tailwind CSS

Databases: MySQL, ER Modeling, Query Optimization

Core CS: Data Structures & Algorithms, OOP, Systems Programming, Operating Systems

Tools & Platforms: Git/GitHub, REST APIs, JSON, Docker, Linux/Unix, Render, Netlify

Design: UI/UX, Accessibility (ARIA), Figma