

Ashif Ahamad

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EDUCATION

- **Lovely Professional University Punjab, India** **September, 2022 - Present**
 - **B. Tech (Computer Science and Engineering) Student** **Current CGPA: 7.96**
- Coursework:** Data Structure, Design, and Analysis of Algorithms, Operating System, DBMS

Internship

- **Advanced Software Engineering - Virtual Experience Program | Walmart Global Tech** **June, 2023-JULY, 2023**
- Implemented a novel version of heap for efficiently storing and retrieving of data.
- Focused on software architecture and designed a system that satisfied complex business requirements.
- Designed a relational database to satisfy complex collection of requirements.

PROJECTS

- **Phone-Mart: Scalable Online Shopping Platform | HTML, CSS, JavaScript, MongoDB, Express.js, MySQL**
- Designed engaging landing pages utilizing HTML and custom CSS which contributed to attracting over 1,000 unique visitors during initial launch week; received positive feedback from clients regarding aesthetics and functionality.
- Implemented a phone brand showcase along with 5+ key features, including an 'Add to Cart' function, enhancing user experience and driving an increase in product engagement.
- Optimized MySQL database queries, achieving read speeds of under 10 milliseconds, which improved overall system efficiency and minimized latency for high-traffic operations.
- Engineered a robust backend architecture using Express.js, delivering API response times of less than 50 milliseconds, ensuring fast and seamless interactions for end-users.
- **N-Queen Visualizer | C++**
- Created an interactive N-Queens problem visualizer in C++, allowing users to input any number of queens (from 1 to N) and see a step-by-step graphical representation of the algorithm's execution.
- Developed a robust algorithm to calculate and display all possible solutions for the N-Queens problem, resulting in improved user engagement with an increase of 100 interactive sessions over two months.
- Optimized for Windows terminal environments, ensuring smooth and responsive user interactions by reducing load time by 30% through a fully configured interface.
- Achieved 100% test coverage by conducting comprehensive performance testing using Windows API, ensuring reliability and efficiency under varied conditions.
- **Booster: A Gym Website | HTML, CSS, JavaScript**
- Designed and developed a responsive user interface for key sections (Home, About, Contact), achieving response times under 50 milliseconds to enhance user experience and site performance.
- Engineered innovative front-end components that increased user engagement, resulting in a 10% boost in the overall conversion rate.

TECHNICAL SKILLS

- Languages: C/C++ (Proficient), Java, JavaScript, Python.
- Full Stack Development: HTML, CSS, JavaScript, React.js, Express and Node Backend, Bootstrap CSS.
- Database: MySQL, Postgres, MongoDB.
- Developer Tools: VS Code, Git, Sublime Text.

Achievements

- Qualified round 1 of [Adobe X GFG Gensolve Hackathon](#).
- Secured 1300 rating on CodeChef in weekly contests.
- Solved more than 250 Data Structures and Algorithms problems on various coding platforms

Certification

- [Data Structures and Algorithm summer training by SPRUCE powered by Hitbullseye.com](#)
- Introduction to [MongoDB](#)
- [Design and Analysis of Algorithms \(DAA\)](#)
- [Python and Artificial Intelligence Bootcamp organized by Devtown under MSME in collaboration with GDSC KIIT Chapter and AWS community builder.](#)

Extra-Curricular Activities

- **Spanish Language Learner:** Actively studying Spanish to improve fluency and practical language application, focusing on daily conversational knowledge and cultural context.