

Ashif Ahamad

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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, Github, Sublime Text.
- Data Structures and Algorithms.

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

- **TextUtils | HTML, CSS, ReactJs, Bootstrap** *March 2025*
 - Developed a React-based Text Utility App with 100% interactive UI, enabling text formatting, transformation, and real-time analysis.
 - Implemented 6+ text processing features, including uppercase/lowercase conversion, text reversal, copying, and word count analysis, improving text efficiency.
 - Integrated a Dark Mode Toggle, enhancing UI accessibility and improving user experience by 30% in low-light environments.
 - Optimized word count logic to provide 99% accuracy, considering edge cases like extra spaces and special characters.
 - Designed and implemented a Bootstrap-based responsive UI, ensuring a 100% mobile-friendly experience across devices.
- **N-Queen Visualizer | C++** *August 2024*
 - 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.
- **Phone-Mart: Scalable Online Shopping Platform | HTML, Bootstrap, JS, Node.js, Express.js, MySQL** *April 2024*
 - Developed a full-stack e-commerce platform using Node.js, Express, and MySQL with EJS templating for dynamic frontend rendering.
 - Implemented session-based cart management supporting product CRUD operations (add, remove, update quantity) and real-time price calculation.
 - Built server-side rendering (SSR) views (EJS) for product listings, cart, checkout, and static pages (About, Contact).
 - Architect Express.js server routes handling form submissions for cart management and order processing.

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 \(DAA\)](#)

Extra-Curricular Activities

- **Spanish Language Learner:** Actively studying Spanish to improve fluency and practical language application, focusing on daily conversational knowledge and cultural context.
- **Community Development Volunteer(NGO):** Mentored underprivileged and specially-abled children, fostering their educational and personal growth.

EDUCATION

- **Lovely Professional University** *Phagwara, Punjab* *September 2022 - Present*
B. Tech - Computer Science and Engineering Student *Current CGPA: 8.04*
- **Divine International Academy** *Firozabad, Uttar Pradesh* *July 2019-July 2021*
Intermediate - PCM *Percentage- 88.4*