

# Ashif Ahamad

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## TECHNICAL SKILLS

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- 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

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- **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

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- **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*
  - 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.
- **Booster: A Gym Website | HTML, CSS, JavaScript** *June 2023*
  - Designed and developed a responsive user interface for 4 to 5 key sections (Home, About, Contact).
  - Achieved response time 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.

## Achievements

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- Qualified round 1 of [Adobe X GFG Gensolve Hackathon](#).
- Secured 1300 rating on CodeChef in weekly contests
- Solved more than 300+ Data Structures and Algorithms problems on various coding platforms.

## Certification

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- [Data Structures and Algorithm summer training by SPRUCE powered by Hitbullseye.com](#).
- Introduction to [MongoDB](#).
- [Design and Analysis of Algorithms \(DAA\)](#).

## Extra-Curricular Activities

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- **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

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- **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*