

Ashika

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SKILLS

- **Languages:** C++, JavaScript, C, PHP, Python
- **Frameworks:** HTML and CSS, NodeJS, ReactJS, Express
- **Tools/Platforms:** MySQL, MongoDB, Git, GitHub, Postman
- **Core CS Topics:** Data Structures, Operating Systems (OS), Networking, Database (DBMS)
- **Soft Skills:** Team Player, Adaptability, Time management, Leadership

PROJECTS

Stock Span Analyzer | GitHub

Jun'2025 – Jul'2025

- Designed to analyze stock price patterns by computing stock span values and presenting algorithmic insights to help users interpret market trends effectively.
- Built using C++ compiled to WebAssembly (WASM) with HTML, JavaScript, Tailwind CSS, and Chart.js, implementing stack-based span calculation, real-time animations, day-wise processing, and interactive data visualizations.
- Delivered a fast, responsive tool that strengthens algorithm understanding, improves user interaction, and showcases efficient use of WASM, data structures, and visualization tools.
Tech stack: HTML, Tailwind CSS, JavaScript, C++, WASM

Crest-Fund | GitHub

Jan'2025 – Mar'2025

- Built a full-stack crowdfunding platform that enabled users to create, manage, and contribute to fundraising campaigns with secure authentication and data persistence.
- Developed a responsive UI using HTML, CSS, and JavaScript, designed a MySQL database for user credentials and funding data, and implemented dynamic form animations and campaign management logic.
- Delivered a fully functional crowdfunding application that enabled seamless cross-device transactions, enhanced user engagement through interactive animations, and ensured reliable fund tracking with persistent data integrity.
Tech stack: HTML, Tailwind CSS, JavaScript, MySQL, PHP

SUMMER TRAINING

Mastering C++ from OOPS to DP – LPU | Certificate

Jun'2025 – Jul'2025

- Completed intensive Mastering C++ Training Program, focusing on core programming concepts, efficient coding practices, and structured problem-solving.
- Implemented real-world applications using OOP, templates, file handling, STL, and algorithmic optimization techniques in C++.
- Achieved an **A+ grade** and developed strong proficiency in **algorithm design, efficient coding practices, and building practical applications and build responsive web application.**
- **Tech stack:** C++, OOP, Templates, STL, File Handling, Data Structures & Algorithms.

ACHIEVEMENTS

- Earned top badges on Hacker Rank in Java, C++ | [Link](#) Aug' 2025
- Secured a top 10 ranking in CTF competition with over 200 student participants | [Link](#) Nov' 2024

CERTIFICATES

- Privacy and Security in Online Social Media - NPTEL | [Link](#) Apr' 2025
- Fundamentals Of Network Communication - University of Colorado | [Link](#) Nov' 2024
- Introduction to Hardware and Operating System - IBM | [Link](#) Aug' 2024
- DSA with C++ - lamNeo | [Link](#) Mar' 2024

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 7.71 Since Aug'2023
- **Holy Mission Sr. Secondary School** Patna, Bihar
Intermediate; Percentage: 72% Apr'2021 – Mar'2022
- **Bradford International School** Patna, Bihar
Matriculation; Percentage: 80.2% Apr'2019 – Mar'2020