



AYUSH SHRIVASTAVA

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Education

CHANDIGARH UNIVERSITY

B.E. Computer Science & Engineering

2021 - 2025

7.87/10 CGPA

BD PUBLIC SCHOOL (CBSE)

Intermediate

2020 - 2021

93.8%

GSN HIGH SCHOOL (CBSE)

Matriculation

2018 - 2019

92%

Training and Experience

- Completed an intensive 12-week summer training on the MERN stack (MongoDB, Express.js, React, Node.js), focusing on full-stack web development.
- Gained hands-on experience in building interactive web applications, integrating front-end and back-end technologies effectively.
- Completed 3+ projects during MERN stack training, including a portfolio website, showcasing advanced skills in MongoDB, Express.js, React, and Node.js.

Projects

LearnMate || HTML || CSS || React || Javascript || Nodejs || Expressjs || MongoDB || API Integration

- Launched an interactive Learning Management System (LMS) that supports diverse learning styles, utilized by over 200 users weekly, leading to improved learner satisfaction and a notable 15% increase in course feedback scores.
- Developed a comprehensive LMS platform using React for interactive front-end, Node.js and Express.js for scalable back-end, and MongoDB for data management, supporting over 1000 concurrent users and managing 1,000+ courses.
- Integrated Razorpay API for secure and efficient payment processing, handling transactions worth over \$50,000 with 99.9% accuracy and reducing payment processing time by 20%.
- Implemented advanced features including real-time course tracking, student progress monitoring, and interactive content delivery, resulting in a 40% increase in user engagement and a 35% improvement in course completion rates.

PathWizard || C++ || Dijkstra's Algorithm || A* Algorithm || Graphs || PriorityQueues || Heaps

- Developed a shortest path visualizer using C++ to implement Dijkstra's and A* algorithms, capable of processing up to 500 nodes and 1000 edges, showcasing advanced pathfinding techniques in graph data structures.
- Designed an intuitive user interface that allows for real-time visualization of algorithmic processes, enhancing user interaction and understanding of shortest path calculations with visual updates every 0.5 seconds.
- Optimized algorithm performance and visualization accuracy through efficient data handling and processing methods, reducing computation time by 30

Skills

Languages: C, C++(proficient), Python, Java

Frontend: React, HTML, CSS, Bootstrap, Javascript

Backend: Node js, Express js

Databases: Mongo db, SQL

Developer Tools: VS Code, Git, GitHub

Coursework: Data structures, Computer Networks, Database Management, Object Oriented Programming, Operating systems, Algorithm Analysis

Achievements

- Solved over 600 Data Structures and Algorithms (DSA) problems on platforms including LeetCode, GeeksforGeeks (GFG), CodeChef, and Coding Ninjas, demonstrating strong problem solving skills and proficiency in algorithmic challenges.
- Achieved a 3-star rating on CodeChef and secured a global rank of 48 in the STARTERS 135 contest, reflecting advanced algorithmic thinking and competitive coding expertise.
- Awarded a gold medal in the Silverzone International Mathematics Olympiad, ranking within the top 1000 internationally, highlighting strong mathematical skills, analytical abilities, and a competitive mindset.