

# Yash

## Contact

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## Professional Summary

Results-driven MCA student with strong expertise in **C++ programming, data structures, and algorithms**. Experienced in solving over 275 coding problems on platforms like LeetCode, CodeStudio, and GeeksforGeeks using C++, showcasing advanced problem-solving skills and algorithmic thinking. Highly proficient in utilizing the Standard Template Library (STL) to implement efficient and optimized solutions, improving code performance, modularity, and readability.

Strong foundation in **object-oriented programming concepts, memory management, and system-level programming**, enabling the development of high-performance applications. Passionate about tackling complex algorithmic challenges and constantly refining coding proficiency through continuous practice and learning.

In addition to core C++ skills, proficient in **full-stack web development using JavaScript, Node.js, React.js, Express.js, and MongoDB**. Skilled in building dynamic, scalable, and robust web applications, as well as integrating and developing RESTful APIs. Experienced in database design, management, and backend service implementation to support seamless user experiences.

Complementary hands-on experience in data analysis and visualization using Python libraries such as Pandas, NumPy, Matplotlib, and Seaborn. Capable of extracting actionable insights from large datasets and presenting them in a clear, impactful manner to support data-driven decision-making.

Committed to continuous learning and contributing to team success by combining strong C++ fundamentals with versatile full-stack and data analysis skills.

## Education

### Master of Computer Applications (MCA)

Kurukshetra University (2023-2025)  
CGPA: 9.0

### Bachelor of Computer Applications (BCA)

Kurukshetra University (2020-2023)  
percentage: 79

### 12th(Non Medical)

Kendriya Vidyalaya No.2 Ambala Cantt(2020) percentage: 91.8

## Technical Skills

- **Languages:** C, C++(STL), JavaScript, Java
- **Concepts:** Data Structures & Algorithms, Memory Allocation, Array, Strings, Linked List, Recursion, Stack, Queue, Trees, graphs, DP
- **Problem Solving:** Solved 84 problems on LeetCode, 132 problems on CodeStudio, and 59 problems on GeeksforGeeks
- **Web Technologies:** HTML, CSS, javascript, React.js, Node.js, Express.js, Next.js
- **DevOps :** Docker, Kubernetes
- **Data Analysis:** Python pandas, numpy, matplotlib, seaborn
- **Databases:** MongoDB, MySQL
- **Tools & Platforms:** vsCode, Postman for API testing
- **Version Control:** Git, GitHub

## Projects

### Snake Game (using Data Structures and Algorithms in C++ STL)

- Developed a classic Snake game in C++, applying data structures like linked lists to handle dynamic snake growth and movement logic.
- Focused on algorithmic problem-solving for collision detection and smooth game state management
- Technologies: C++.

### Chat app: [\[LINK\]](#)

- Developed a online chat application with one on one as well as group chat functionality with proper authentication.
- Technologies: MERN

### Notes Website: [\[LINK\]](#)

- Created a note-taking web application using Node.js.
- Enabled CRUD operations with MongoDB.
- Implemented a user authentication system using JWT token and Bcryptjs.
- Technologies: HTML,CSS,Javascript,Node js, React js, MongoDB.

### Multiplayer Tic Tac Toe: [\[LINK\]](#)

- Built a real-time multiplayer Tic Tac Toe web application where two users can play against each other over the network.
- Implemented live game updates and player moves using Socket.IO for seamless bi-directional communication.
- Technologies: Node.js, Socket.IO, HTML, CSS, JavaScript.

## Intern at CodeQuotient

- Strengthened problem-solving abilities **by extensively working on data structures and algorithms in C, solving numerous practical and competitive coding problems.**
- Gained practical experience with **front-end and back-end technologies, focusing on clean code, modular design,** and user-friendly interfaces.
- Collaborated with mentors and peers in a project-based learning environment, improving teamwork, debugging, and skills.
- Learned and applied industry best practices such as version control (Git), code reviews, and test-driven development.

## Certifications & Experience

- Completed **Problem Solving and Full-Stack Development** Training at CodeQuotient and 1 year diploma in computer applications from Hartron.
- Built multiple full-stack applications showcasing hands-on expertise.
- Gold medalist in blind coding and IT Fest 2023 held in GMN college Ambala Cantt

## Soft Skills

- Problem-Solving
- Team Collaboration
- Communication

## Additional Information

- Open to internships and full-time opportunities.
- Actively contributing to open-source projects on GitHub.