

# RAVI

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## Summary

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Computer Science student with hands-on experience in **C, C++, Java, Python, SQL, PHP, HTML, CSS, and JavaScript**. Skilled in **web development, data structures & algorithms, and database management**. Interested in **Cloud Computing and Machine Learning**. Seeking opportunities to apply skills in **developing scalable applications and cloud-based solutions**.

## Education

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Chandigarh University ,Punjab	Aug 2023 – Present
• BE CSE   CGPA : 8.95	
DAV Centenary Public School, Haryana	April 2022– June 2023
• CBSE (Class XII), Aggregate:94 %	
DAV Centenary Public School, Haryana	April 2020– June 2021
• CBSE(Class X),Aggregate:85.4%	

## Projects

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### Student Attendance Management System | PHP, MySQL, HTML/CSS, JS

- Designed and developed a web-based system for 100+ students and 5 faculty members with login-based access and secure session tracking.
- Integrated AJAX for real-time updates, reducing page reloads by 40% and enhancing dashboard interactivity.
- Automated attendance reporting, saving faculty ~3 hours per week.

### Hand Gesture Recognition Using ML | Python, OpenCV, VS Code

- Built a gesture recognition model with 90% classification accuracy using CNN and SVM.
- Enabled real-time gesture control with an average response time of <200 ms.
- Enhanced accessibility by integrating gesture-based application control.

### Loan-Stock Predictor | Python, ML, VS Code

- Developed a dual-purpose predictive tool achieving 85% accuracy in loan approvals and 78% accuracy in stock trend forecasting.
- Supported financial decision-making by integrating two predictive models into one platform.
- Reduced manual assessment time by ~50% for financial institutions.

## Skills

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- Programming Languages: C, C++, Java, Python, SQL, HTML, CSS, JavaScript, PHP
- Frameworks & Tools: MySQL, VS Code, IntelliJ IDEA
- Core Competencies: Data Structures & Algorithms (DSA), Web Development, Cloud Computing (basic knowledge), Machine Learning (beginner)
- Interpersonal Skills: Teamwork | Adaptability | Time Management | Discipline | Problem-Solving

## Certifications and Awards

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- Cloud Computing – Elite Silver Badge
- Databases and SQL for Data Science
- HTML, CSS, and Javascript for Web Developers

## Achievements & Extra Curricular Activity

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- Silver Medalist in Global Maths Olympiad
- NSS Volunteer
- Mess committee member