

# Ayush Tyagi

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[LinkedIn](#)

## Education

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<b>Jaypee University Of Information Technology</b> , B-Tech in Computer Science	August 2022 – August 2026
• <b>Coursework:</b> OOP, OS, DBMS, DSA, Algorithms	
<b>Meerut Public School</b> , Class XII	April 2021 - March 2022
• <b>Marks:</b> 85%	
<b>Meerut Public School</b> , Class X	April 2019 - March 2020
• <b>Marks:</b> 82%	

## Projects

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<b>Hand Gesture Recognition</b>	<b>2024</b>
<ul style="list-style-type: none"><li>• A vision-based system for recognizing and interpreting hand gestures to enable touchless human-computer interaction.</li><li>• Implemented a real-time system to recognize hand gestures and map them to emojis.</li><li>• Technology Used: Python, OpenCV, MediaPipe</li></ul>	
<b>Railway Management System</b>	<b>2023</b>
<ul style="list-style-type: none"><li>• A streamlined system for managing train schedules, ticket bookings, and passenger information efficiently.</li><li>• Developed a railway management system to automate train scheduling, ticketing, and passenger information handling.</li><li>• Technology Used: Python, MySQL</li></ul>	
<b>Automated Parking Valet</b>	<b>2023</b>
<ul style="list-style-type: none"><li>• A smart parking system to detect vacant slots and automate space management.</li><li>• Designed an automated smart parking system using image processing.</li><li>• Detects available parking spaces and guides users with minimal human interaction.</li><li>• Technology Used: MATLAB, Simulink</li></ul>	

## Extracurricular Activities

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**Disciplinary Committee, JUIT Youth Club** (Member) Sep 2022 - Sep 2024  
**Sports Club, JUIT Youth Club** (Member) Sep 2022 - Jun 2024  
**Procurement and Event Management Committee, JUIT Youth Club** (Member) Sep 2022 - Aug 2024

## Technical Skills

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**Languages:** C, C++, Python, MySQL  
**Frameworks/Libraries:** OpenCV, NumPy  
**Tools:** MATLAB, SimPy, Excel, VS Code

## Certifications

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**Machine Learning and Deep Learning Specialization** (Coursera)  
**Python Foundation Certification** (Infosys Springboard)  
**Computational Theory: Language Principles and Finite Automata Theory** (Infosys Springboard)