

Ayush Tyagi

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LinkedIn

Education

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

Projects

Hand Gesture Recognition	2024
• A vision-based system for recognizing and interpreting hand gestures to enable touchless human-computer interaction.	
• Implemented a real-time system to recognize hand gestures and map them to emojis.	
• Technology Used: Python, OpenCV, MediaPipe	
Railway Management System	2023
• A streamlined system for managing train schedules, ticket bookings, and passenger information efficiently.	
• Developed a railway management system to automate train scheduling, ticketing, and passenger information handling.	
• Technology Used: Python, MySQL	
Automated Parking Valet	2023
• A smart parking system to detect vacant slots and automate space management.	
• Designed an automated smart parking system using image processing.	
• Detects available parking spaces and guides users with minimal human interaction.	
• Technology Used: MATLAB, Simulink	

Extracurricular Activities

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

Languages: C, C++, Python, MySQL

Frameworks/Libraries: OpenCV, NumPy

Tools: MATLAB, SimPy, Excel, VS Code

Certifications

Machine Learning and Deep Learning Specialization (Coursera)

Python Foundation Certification (Infosys Springboard)

Computational Theory: Language Principles and Finite Automata Theory (Infosys Springboard)