

# Ayush Sharma

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## OBJECTIVE

Motivated Computer Science Engineering student with strong fundamentals in C++, Java, Data Structures, Operating Systems, DBMS, and MERN stack, seeking an entry-level software or full-stack development role where I can apply my problem-solving skills, hands-on project experience, and passion for building scalable real-world solutions.

## SKILLS AND INTERESTS

Programming Languages	C, C++, Java, Python, JavaScript
Frontend Technologies	Next.js 15, React 19, Node.js, Express.js
Database	MySQL, MongoDB
Tools	Docker, Git/GitHub, Postman, Arduino IDE, Antigravity, vs code MySQL
Soft Skills	Stakeholder communication, Agile methodologies, problem-solving

## EDUCATION

<b>Shri Ram Institute of Technology, Jabalpur</b> B.Tech Computer Science and Engineering	August 2022 -June 2026
<b>Govt . Excellence Higher Secondary School Chhapara</b> Class XII: 80.4%   Class X: 93.6%	August 2019 -August 2022

## CERTIFICATIONS

- C++ (Certification by Scaler)
- Data Structures and algo (Certification By Infosys Springboard)
- JavaScript (Certification by Scaler)
- Internet of things (Great Learning Academy)
- Java programming (Infosys Springboard)
- Data Structures and Algorithms Certification Infosys Springboard

## PROJECTS

- Wildfire Detection System (ML + IoT)  
Developed an IoT-based wildfire detection system using temperature, humidity, and gas sensors with machine learning for early fire risk prediction. Implemented real-time monitoring and alert generation for faster emergency response and forest fire prevention.  
Link - <https://github.com/Ayushbaroliya/wildfire-detection-using-iot-and-ml>
- CalorieX – Health & Fitness Application  
Built a calorie tracking application to help users monitor daily food intake and manage nutrition goals. Implemented calorie calculation, diet logging, and user-friendly UI for healthy lifestyle management.  
Link- <https://calorierx-1.onrender.com/>
- MERN Stack Chat Application  
Developed a real-time chat application using MongoDB, Express.js, React.js, and Node.js with user authentication and REST APIs. Implemented secure messaging, responsive UI, and database-driven communication system.  
Link - <https://chit-chat-app-cn8e.onrender.com/>

## ACHIEVEMENTS

- **Participant — HackAithon**  
Built and presented an innovative tech solution in a competitive hackathon environment.
- **Participant — Matrix 2.0 Hackathon, IITM Janakpuri**  
Collaborated in a high-intensity problem-solving event organized by IITM Janakpuri.
- **District Topper — MP Government Biodiversity Quiz (2 Times)**  
Secured **1st rank at district level twice**, demonstrating strong environmental awareness and academic excellence.

## HOBBIES AND INTEREST

- Learning core Computer Science subjects including Operating Systems, Computer Organization, and Computer Networks
- Strong interest in **Machine Learning and IoT** with hands-on project experience
- Practicing Data Structures & Algorithms with **270+ problems solved** across LeetCode and other platforms

## OTHER LANGUAGES KNOWN: English (Fluent), Hindi (Native)