# AYUSH TOMAR

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## Summary

Electronics and Communication student with a focus on AI and ML. Skilled in full-stack development and backend systems. Experienced in building real-world projects, including a music player web app and embedded safety systems. Strong in problem-solving and eager to learn.

## Education

**Netaji Subhas Institute of Technology, University of Delhi (currently NSUT), India**      **2022 - 2026**
- Branch ECE (AI&ML)

**Jawahar Navodaya Vidyalaya, Muzaffarnagar**

• Class XII (CBSE),  85.2%

• Class X (CBSE),  CGPA: 9.2

## Skills

**Languages:** C++, C, HTML, CSS, JavaScript, Python, SQL

**Tools & Tech:** Git, GitHub, REST APIs, Node.js, Express.js, MongoDB, PostgreSQL, Embedded Systems, Arduino

**Core Areas:** Full Stack Development, Backend Development, DSA, Sensors, Real-time Systems, API Integration, Authentication & Authorization

## Projects

### Music Player Web App – Full Stack Streaming Platform (2025)

**Tools:** HTML, CSS, JavaScript, Node.js, Express.js, MongoDB
 • Designed and developed a full-featured music streaming web application with user authentication, playlist creation, and playback features
 • Built RESTful APIs for songs, user profiles, and playlist management using Express.js and MongoDB
 • Enabled audio playback using HTML5 Audio API and interactive front-end with vanilla JavaScript
 • Locally hosted and validated full user flows including login, browsing, and media controls

**Driver Drowsiness Detection System (Feb 2024)**
Tools: Infrared Sensor, Arduino, Buzzer, Embedded C
 • Developed a prototype to detect drowsiness in drivers using an IR sensor on smart glasses.
 • Triggered an alarm if prolonged eye closure was detected to prevent road accidents.
 • Focused on embedded systems integration and real-time safety applications.

**Developer Portfolio Website**
Tools: HTML, CSS, HTML5UP Template
 • Created a responsive portfolio website showcasing resume, achievements, and projects.
 • Customized a modern template for a clean layout and intuitive navigation.

## Academic and Extracurricular Achievements

• Solved 450+ DSA problems on LeetCode, GFG
• Selected for Super 30 – India's top merit-based free JEE coaching program
• Selected in Indian Air Force (2020) for technical role
• Currently serving as Sports President at NSUT (2024–25)

## Positions of Responsibility

Sports President, NSUT                                    Aug 2023 – Present
• Organized college sports events, led inter-departmental tournaments.
• Coordinated with 500+ students and managed logistical execution of athletic programs.