

# Atharva Kaplay

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## Education

**Acropolis Institute Of Research and Technology, Indore**  
B.Tech. in Computer Science & Engineering

2024 - 2028  
CGPA: 7.29

**Shri Ram Centennial School, Indore**  
Central Board of Secondary Education

2024 (Class 12<sup>th</sup>)  
Percentage: 79%

## Technical Skills

**Frontend:** HTML, CSS, JS, EJS(template engine)

**Backend:** NodeJS, ExpressJS

**Languages:** C, C++, Python

**DataBase:** MySQL, Firebase, MongoDB

**Tools:** Git, GitHub, VScode, Linux

**Robotics & IoT:** Arduino, ESP, RaspberryPi

## Projects

### Krishimarg – IoT + AI Crop Recommendation System [GitHub Link](#) [Live Website](#)

- Built an IoT system using ESP32 sensors with data piped via Firebase RTDB to an Express backend.
- Developed a supervised ML model (Scikit-Learn) to recommend crops based on soil and weather parameters.
- Integrated weather APIs, Google Gemini chatbot, and multilingual support using Google Translate API.
- Implemented a production-grade Node.js + Express.js backend with EJS templating, session management, and modular routing.
- Managed user accounts and device logs in MongoDB for scalable data handling.

### IoT-Based Fire Safety Device [GitHub Link](#)

- Developed an autonomous fire safety system using ESP32, DHT11 sensor, and Blynk IoT Cloud.
- Enabled real-time temperature monitoring and automatic water sprinkling during fire hazards.
- Showcased a practical IoT-based smart safety solution.

### IoT & RFID-Based Smart Security System [GitHub Link](#)

- Designed an RFID and IoT-based (ESP8266 + Google Sheets) security system for lockers and safes.
- Implemented real-time credential logging with time-stamped entries and GSM-based intrusion alerts.
- Enabled automated phone call notifications for enhanced remote security monitoring.

## Certifications

### NPTEL

*Introduction to Programming in C*

Jul-Sep 2025

### NPTEL

*Introduction to Internet of Things*

Jan-Apr 2025

### Robozz Lab, Indore

*Basic Robotics & Embedded Systems*

May 2019

## Achievements

### 1st Position - Electronics Gadget Making, Tech-O-Tsav (Annual Tech Fest)

*Department of IT & ECE - Acropolis Institute of Research and Technology, Indore*

Dec 2024

### State-Level Finalist, INSPIRE Awards

*Department of Science and Technology - Government of India*

Nov 2022 - Jan 2023