

# Atharva Kaplay

[atharvakaplay@gmail.com](mailto:atharvakaplay@gmail.com) | [Github](#) | [LinkedIn](#) | [Portfolio](#) | [9406867350](tel:9406867350)

## 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, TailwindCSS, JS, React

**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](#) [DEVPOST](#)

- 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**