

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 12th)
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