

# Atharva Kaplay

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## Education

### Acropolis Institute Of Research and Technology, Indore

2024 - 2028

B.Tech. in Computer Science & Engineering

Current CGPA: 7.29

**Relevant Coursework:** Data Structures, Object Oriented Programming, Algorithms, Computer Networks, Digital Systems

## Projects

### JobTSU(Job That Suits You) – AI Career Recommendation Platform [GitHub](#) | [DEVPOST](#)

MERN-Stack Developer | React, Next.js, Node.js, Firebase, Gemini API

- Engineered AI-driven platform analyzing 50+ skill parameters to recommend job roles using match scoring & gap analysis.
- Integrated Gemini API to generate personalized learning paths and 5+ ATS optimization insights per session.
- Developed responsive React frontend with 10+ reusable components, connected to Node.js/Express.js backend with Firebase authentication.

### Krishimarg – IoT + AI Crop Recommendation System [GitHub](#) | [DEVPOST](#)

Full-Stack + IoT Developer | ESP32, Firebase, Express.js, MongoDB, Scikit-Learn

- Designed and implemented IoT system using ESP32 to stream soil & weather data to Firebase and Express backend.
- Trained and optimized ML model with 85% accuracy to recommend optimal crops based on environmental parameters.
- Integrated weather APIs, Gemini chatbot, and multilingual (3 languages) support for farmer assistance.

## Achievements

### Selected at College Level – Smart India Hackathon (SIH) 2025

Aug 2025

[GitHub](#) | [DEVPOST](#)

- Ranked Top 10 among 50+ teams at institute level for national hackathon selection.
- Contributed to development and live demonstration of IoT + AI solution under competitive evaluation.
- Presented a working prototype to the faculty and industry panel.

### State-Level Finalist, INSPIRE Awards (Dept. of Science and Technology - Govt. of India)

Nov 2022 - Jan 2023

[GitHub](#)

- Built an IoT & RFID-Based Smart Security System using ESP8266, RFID, GSM, and Google Sheets API for real-time credential logging and intrusion alerts.
- Implemented cloud-based time-stamped access records and automated phone call notifications for remote security monitoring.

## Technical Skills

**Languages:** C, C++, Python, Javascript, Typescript

**Frontend:** HTML, CSS, TailwindCSS, React, Next.js

**Backend:** Node.js, Express.js

**Database:** MySQL, Firebase, MongoDB

**Tools:** Git, GitHub, VS Code, Linux

**Robotics & IoT:** Arduino, ESP, Raspberry Pi

## 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