



**Tapas Pandey**  
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## PROFILE HIGHLIGHTS

- Proficient in programming languages like C, C++, Python, and front-end development.
- I am passionate about IoT and Micro Controllers.
- Member of RAIoT club, Amity University Rajasthan

## PROJECTS

### A. Project Name: Smart Farm

**Organisation:** Amity University Rajasthan, Jaipur.

**Project type:** Team based.

**Brief Description:** Smart Farm is an IoT-based agricultural solution that uses sensors to monitor soil, temperature, and humidity in real-time. It helps farmers optimize water usage, improve crop yield, and reduce manual effort. The system promotes sustainable farming through automation and data-driven decisions.

### B. Project Name: API Based Recipe Generator

**Organisation:** Amity University Rajasthan, Jaipur.

**Project type:** Individual

**Brief Description:** An API-based Recipe Generator built with Streamlit offers personalized recipes using user-input ingredients. It fetches data from external APIs to suggest easy and diverse meal options. The interactive UI ensures a smooth and engaging cooking experience.

### C. Project Name: Anonymous Blog Application

**Organisation:** Amity University Rajasthan, Jaipur.

**Project type:** Individual

**Brief Description:** An anonymous blog application built with Flask enables users to share thoughts freely without revealing their identity. It features a simple, secure interface for posting and reading blogs. This promotes open expression while maintaining user privacy.

## EDUCATIONAL QUALIFICATION

<u>Qualification</u>	<u>University/School</u>	<u>Graduating Year</u>	<u>Percentage/GPA</u>
B.Tech CSE	Amity University Rajasthan, Jaipur	2028	8.55 (Till 2 <sup>nd</sup> Sem.)
12 <sup>th</sup>	Subodh Public School	2024	76%
10 <sup>th</sup>	Subodh Public School	2022	86%

## Technical Skills

- **Programming Languages & Frameworks:**  
Python (Pandas, Streamlit, Flask, Matplotlib, NumPy, Google Generative AI)
- **Data Analysis:**  
Microsoft Excel, MYSQL, Microsoft Power BI, Tableau
- **Internet of Things (IoT):**  
Arduino, ESP8266 & ESP32, Automation, Robotics
- **Creative Tools:**  
Adobe Photoshop, Adobe Lightroom, Video Editing

## ACHIEVEMENTS

- Secured **1<sup>st</sup> position** in Genesis 4.0 held by Manipal University Jaipur 2024.
- Secured **1<sup>st</sup> position** in Technovation 2024 held by Career Point University Rajasthan 2024.

## CO-CURRICULAR ACTIVITIES/PARTICIPATION

- Participated in Promoteo 2025 by IIT Jodhpur.
- Participated in Cognizance 2025 by IIT Roorkee.
- Participated in Sphinx 2024 by MNIT Jaipur.
- Participated in PLINTH 2025 by LNMIIT Jaipur.

## PERSONAL DETAILS

Parent Name: Mr. Amit Pandey

Date of Birth: 08/06/2006

Permanent Address: 265/275 Govind Nagar East Amer Road, Jaipur, Rajasthan

Languages known: Hindi and English

## REFERENCES

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