

# TANMAY

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## ACADEMIC DETAILS

B Tech (Electronics and Communication Engineering(Internet of Things))	2023-2027	MMUT, Gorakhpur	8.36/10.0
Class XII (CBSE)	2022	St. Mary's Inter College, Etawah	89.0%
Class X (CBSE)	2020	St. Mary's Inter College, Etawah	94.2%

## PROJECTS

### DEEPCODEX DETECTION WEB APPLICATION:

- *Python, TensorFlow, Flask, HTML/CSS/JavaScript*  
Built an AI-powered web application to detect deepfake images with high accuracy using a custom-trained CNN on real vs fake face datasets.
- Integrated the model with a Flask backend for real-time inference and designed a futuristic, sci-fi-inspired glassmorphism UI with drag-and-drop upload, confidence bars, and visual feedback.
- [GitHub Link](#) | [LinkedIn Post](#)

### LEAF DISEASE DETECTION WEB APPLICATION:

- *Python, TensorFlow, Flask, HTML/CSS/JS*  
Developed a deep learning-based web application that detects plant leaf diseases from images using a convolutional neural network (CNN).
- Integrated the trained model into a Flask backend for real-time predictions and built a responsive frontend interface for image uploads and result visualization.
- [GitHub Link](#) | [LinkedIn Post](#)

### AUTOMATIC BIOMETRIC LOCK USING ARDUINO UNO:

- Built an automatic biometric lock using **Arduino Uno**.
- Components used were - Arduino Uno, Solenoid Lock, 5V single channel relay, Bluetooth HC05 module, Battery.
- [LinkedIn Post](#)

## ACHIEVEMENTS

- Participated in the **Smart India Hackathon (SIH)** and secured **12th position** at the institute level among competing teams.
- Completed NIELIT (MeitY, Govt. of India) Summer Training in Python Programming and Data Science — 4 weeks/60 hours, Online, Grade S — NIELIT Gorakhpur, July 2025.  
[Certificate Link](#)
- Obtained an **Elite certification** by participating in a 1 week workshop on “**IoT , Drone, 3D-printing and Artificial Intelligence**” held during 27 April 2024 to 04 May 2024.
- Achieved a **CodeChef rating of 1120**, demonstrating proficiency in competitive programming.

## SKILLS

**Technical:** Python, C, Intermediate JAVA , Arduino UNO, ESP8266, Raspberry Pi OS, Adobe Photoshop, MS Word , MS Excel.

**Curriculum:** Python for IoT, Antenna Systems , Sensors and Actuators , Electronic Components.

**Certificates:** |IoT, Drone, 3D printing , Artificial Intelligence|

**Interests:**

- Artificial Intelligence , Machine Learning , IoT, Electronics , Robotics , Drones.

## POSITION OF RESPONSIBILITY

- **Executive Member** at Drone & IoT club , MMUT . *March 2024- June 2025*
- **Event Coordinator** at Drone & IoT club, MMUT. *June 2025-ongoing*

## EXTRACURRICULAR

- Successfully contributing as a volunteer in Swiftwings'24 : A 3 day workshop and RC fixed wing competition organized by Drone & IoT club.

