# TANMAY

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## Education

**Madan Mohan Malviya University of Technology (MMMUT), Gorakhpur - India** **2023 - 2027**
**Bachelor of Technology(Electronics and Communication(Internet of things)) | CGPA: 8.31**

**St. Mary's Inter College,Etawah,Uttar Pradesh, India** **2021 -2022**
- *CBSE (Class XII), Aggregate(%): 89*

**St. Mary's Inter College,Etawah,Uttar Pradesh, India** **2019 -2020**
- *CBSE (Class X), Aggregate(%): 94.2*

## Skills

**Tech** : C | Java | Python | Flask | Tensorflow | ReactJs |SQL (MySQL) | ESP8266 | Arduino | Photoshop

**Soft-Skills**: Strategic Thinking, Team Leadership, Cross-Functional Collaboration, Problem Solving, Communication, Time Management

## Tools

PyCharm | VS Code | Google Sheets | Git | GitHub | Adobe Photoshop | Arduino IDE | Jupyter Notebook | Tinkercad

## Projects

**1) DEEPFAKE DETECTION WEB-APPLICATION**
GitHub Link | LinkedIn Post
- 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.

**2) LEAF DISEASE DETECTION WEB APPLICATION**
GitHub Link | LinkedIn Post
- 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.

**3) WINE QUALITY PREDICTION**
GitHub Link | LinkedIn Post
- Developed and evaluated multiple machine learning models to predict wine quality using the UCI Wine Quality dataset. Conducted data preprocessing, feature selection, and visualization to explore the relationship between physicochemical properties and wine quality.

4) **AUTOMATIC BIOMETRIC LOCK USING ARDUINO UNO**
LinkedIn Post
- Built an automatic biometric lock using Arduino Uno. Components used were - Arduino Uno, Solenoid Lock, 5V single channel relay, Bluetooth HC05 module, Battery.

## Academic and Extracurricular Achievements

- 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.
- Received multiple awards for excellence in public speaking at various events.
- Successfully contributed as a volunteer in Swiftwings'24 : A 3 day workshop and RC fixed wing competition organized by Drone & IoT club.