Saksham Saxena

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LinkedIn   GitHub

EDUCATION

Bachelor of Technology in Computer Science, *GLA University, Mathura*   June 2026

Intermediate, Romex International School ,   May 2022

High School, Romex International School , Mathura,   May 2020

INTERNSHIP

Softwarez Technocrew   (*FrontEnd Intern*)   June 2024 – August 2024
- Developed and enhanced responsive web templates using **HTML, CSS, JavaScript, and Bootstrap**.
- Collaborated with cross-functional teams *to* **improve user interaction and visual consistency** across web pages.

PROJECTS

AI Powered Water Sprinkler System
- Integrated **ESP32 microcontroller** with DHT22, soil moisture, and temperature(DH18B20)sensors.
- Processed real-time sensor data via **MQTT and Node-RED** dashboard.
- Deployed a **lightweight AI model to predict optimal water sprinkling time**, enhancing resource efficiency.

Classification of Diseases
- Built and evaluated **a machine learning model using deep learning (TensorFlow/Keras)** for classifying HIV-related activity
- Achieved 94.26% accuracy and used precision and recall metrics for validation
- Demonstrated the use of structured feature input and a complete **training-to-prediction pipeline**

Handwritten Equation Solver.
- Developed a **ResNet-based CNN** to identify handwritten mathematical symbols from segmented images.
- Used, image preprocessing, and contour segmentation.
- Combined model predictions using a **rule-based parser** to evaluate full equations using **Sympy**.

SKILLS

Programming & Frameworks: Python, TensorFlow, Scikit-Learn, OpenCV
Concepts: CNN, RNN, LSTM,
Professional: Effective Communication Skills, Interpersonal Skills, Team Work

PROFESSIONAL ACHIEVEMENTS/ INSIGHTS

- Certified in Machine Learning by Udemy.
- Web Development By Internshala Trainings

CO-CURRICULAR ACTIVITIES

- Coordinator of Youth week 2025 (NSS , GLA, January, 2025).
- President (NSSGLAU , Present)

DECLARATION

I hereby declare that all the above mentioned information is true and correct to the best of my knowledge.