ADITYA TIWARI

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SUMMARY

Computer Science undergraduate with hands-on experience in AI/ML & Computer Vision. Built a real-time YOLOv5 Weapon Detection & Alert System trained on 10K+ images with Twilio alerts, evidence snapshots, and live dashboard monitoring. Hackathon performer (Runner-up Ideathon 2.0, G.L Bajaj) and finalist across multiple hackathons, with strong execution and teamwork skills.

SKILLS

Programming: Python, C/C++
AI/ML: Machine Learning, Model Training
Tools/Platforms: Git/GitHub, VS Code, Colab, Google Cloud Platform (GCP)
Supporting: Django , HTML, CSS, JS

PROJECTS

Real-Time AI Weapon Detection Surveillance & Alert System (YOLOv5 + Twilio)

Tech Stack: Python, YOLOv5, OpenCV, Streamlit, Twilio API
- Trained weapon detection model on 10K+ images and deployed for real-time CCTV/live feed detection.
- Auto-captured evidence snapshots with timestamps + event logs.
- Built monitoring dashboard and integrated Twilio alerts to notify security officials instantly.

Disaster Rescue Robot (ESP32-CAM Live Monitoring)

ESP32-CAM, IoT, Python, Streamlit
- Built rescue bot with live surveillance feed using ESP32-CAM.
- Developed dashboard for live monitoring and status visibility; pitched in ideathons/hackathons.

WORK EXPERIENCE

Web Developer Intern — SkillCraft Technology Pvt. Ltd.   **Aug/2025-Sep/2025**
- Contributed to frontend development across multiple projects; built responsive UI components.
- Collaborated with team remotely, fixed UI issues, and delivered tasks within deadlines.

ACHIEVEMENTS & LEADERSHIP

- **Runner-Up —** Ideathon 2.0, GLBITM   **Finalist** — Build With Gemini, Synergix, Ideathon 1.0 (LITM)
- **Sponsorship Manager**, Spotify Club (IIT Madras) | **PR & Outreach Associate**, Abyudaya Club (IIT Madras)
- **Volunteer:** IEEE International Conference, NCQFI Conference (G.L Bajaj)

EDUCATION

- **Bachelor of technology** – CSE(AIML)   **2024-2028**
  G.L Bajaj Institute of Technology & Management (AKTU)
- **Bachelor of Science in Data Science**   **2024-2028**
  Indian Institutes of Technology Madras