

# Sachin Gupta

Linkedin: [sachin-linkedin](#)

Github: [sachin-github](#)

Email: [sachingupta1437@gmail.com](mailto:sachingupta1437@gmail.com)

Mobile: +91-6306679425

## OBJECTIVE

---

I'm a Machine Learning enthusiast with practical experience in computer vision and real-time AI systems. I enjoy building useful things—like accident/object detection, sign language recognition, and prediction models—and I'm looking for an opportunity where I can keep learning while contributing to meaningful AI solutions.

## SKILLS

---

- **Languages:** Python, C++, R
- **Frameworks:** Flask, Django, Scikit-Learn, Pytorch, TensorFlow, NumPy, Pandas, Tkinter, Matplotlib, Seaborn
- **Databases:** MySQL, MongoDB, SQLite
- **Operating System:** Linux(Ubuntu), Windows
- **Tools/Platforms:** Cursor, Kaggle, Jupyter Notebook, Tableau, Roboflow, Ultralytics, Twilio, Github, Netlify
- **Soft Skills:** Problem-Solving Skills, Team Player, Project Management, Adaptability, Empathetic

## PROJECTS

---

- **Emergency Response System:**  
Built using Python and YOLOv8 (Ultralytics) to detect accidents in real-time, Integrated with Twilio for SMS alerts to emergency contacts, Backend developed with Flask, hosted locally.  
**Tech:** HTML, CSS, Javascript, Bootstrap, SQLite, Flask, YOLO model, Python, OpenCV, Pytorch, GoogleMapsAPI
- **Virtual Assistant (Ultron):**  
Voice-enabled assistant developed in Python, Can perform web searches, open apps, tell time/date, and more, Uses pyttsx3, speech\_recognition, and other Python modules.  
**Tech:** Python, OpenAI API, Tkinter
- **Sign Language Detection System:**  
Uses computer vision and machine learning to recognize hand signs, Aims to help people with speech disabilities communicate effectively, Dataset preparation with Roboflow, training models on Kaggle.  
**Tech:** Python, OpenCV, Pytorch, YOLO model
- **Disaster Prediction System:**  
AI-based early warning system that analyzes real-time weather data to predict floods, droughts, and cyclones, Generates location-specific risk levels and triggers automated SMS/Email alerts for early preparedness, Provides a simple dashboard for users to check real-time risk levels for any location.  
**Tech:** Python, Flask, Scikit-learn, Pandas, NumPy, OpenWeather API, Twilio SMS API, HTML, CSS, JavaScript

## CERTIFICATES

---

- Oracle Cloud Infrastructure 2025 Certified Generative AI Professional October 2025
- Oracle Cloud Infrastructure 2025 Certified Data Science Professional September-October 2025

## ACHIEVEMENTS

---

- **Secured 38<sup>th</sup> rank in Coding Contest:** October 2025  
Among 2k+ participants in CosmoComet (Competitive Programming).
- **Received a participation certificate of Coding Contest:** October 2025  
Participated in Logic League Coding Contest.
- **Received an appreciation certificate from Samsung Innovation Campus:** November 2024  
For exceptional Project in SIC.

## EDUCATION

---

- **Lovely Professional University** Punjab, India  
Masters of Computer Application Since August 2025
- **Noida International University** Sector 17A, Greater Noida  
Bachelors of Science (Hons.) Information Technology; **CGPA: 7.7** April 2022 - March 2025