

Rudraksh Sachdeva

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Education

IILM University, Gurugram / Aug 2024 – Jun 2028 (*Expected*)

- Bachelor of Technology – Computer Science & Engineering

Experience

Participant – 6th Technovation Hackathon – Sharda University / Jan 2025

- Participated in a national-level hackathon organized by Sharda University.
- Collaborated in a team to develop a tech-driven solution addressing real-world challenges.
- Gained hands-on experience in rapid ideation, prototyping, and team-based development.

Robotics Workshop Participant – Technex IIT Varanasi / Feb 2025

- Built edge-avoiding and obstacle-avoiding robots using Arduino and IR sensors.
- Developed an Android app to control robots via Bluetooth and voice.

Winner – HackTech 2025 – Thapar Institute of Engineering and Technology / Feb 2025

- Secured 1st place among 120+ teams at a national-level hackathon for building an AI-powered road safety solution.
- Designed a prototype to detect potential road accidents and notify emergency contacts in real-time.
- Implemented route-based alert mechanisms using Python and demonstrated practical use-case effectiveness.
- Recognized for innovation, social impact, and technical implementation.

Machine Learning Intern – Unified Mentor Pvt. Ltd. / Jun 2025 – Jul 2025

- Built a fraud detection model and worked on data preprocessing and evaluation metrics.
- Collaborated using Git and deployed model insights for real-world scenarios.

Projects

Fraud Detection System / Jun 2025 – Jul 2025

- Developed a classification-based fraud detection system using ML.
- Analyzed datasets and implemented Random Forest Algorithm.

ASL Detection System / *Jun 2025 – Jul 2025*

- Created a real-time ASL recognition tool using hand landmarks.
- Mapped hand gestures to letters with dynamic UI feedback.

Real-Time Weather App / *May 2025 – Jun 2025*

- Displays real-time temperature, humidity, and wind data from user-entered cities.

Flask-Based Todo App / *May 2025 – Jun 2025*

- Full-stack CRUD web application for managing daily tasks.
- Dynamic frontend with live task updates and backend persistence.



Certifications & Achievements

- Microsoft Azure AI-900 Certified – Microsoft (May 2025)
- Robotify Workshop – Technex IIT Varanasi (Feb 2025)
- Winner – Hacktech 2025 National Hackathon (Feb 2025)



Technical Skills

- Languages: Python, Java, C, HTML, CSS, JavaScript
- Libraries/Frameworks: Flask, Django, NumPy, Pandas, Scikit-learn, OpenCV, MediaPipe
- Tools & Platforms: Git, VS Code
- Web Technologies: HTML5, CSS3, JavaScript (ES6+)