**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+)