



## Laksh Sharda

B.Tech in Computer Science and Engineering — 2023–2027  
8810392753 — [laksh.sharda.23cse@bmu.edu.in](mailto:laksh.sharda.23cse@bmu.edu.in) — LinkedIn — GitHub  
Portfolio: Portfolio — Engineering Playbook — Change Blueprint

### EDUCATION

<b>BML Munjal University</b>	Gurgaon, India
<i>B.Tech in Computer Science &amp; Engineering</i>	2023 – 2027
CGPA: 8.33 / 10.0	
<b>DLDAM Model School</b>	CBSE — India
<i>Class XII (Senior Secondary)</i>	2023
Percentage: 81%	
<b>DLDAM Model School</b>	CBSE — India
<i>Class X (Secondary)</i>	2021
Percentage: 91%	

### Skills

**Programming Languages:** Python, C++, Java, JavaScript

**Frameworks & Libraries:** React.js, Node.js, Express.js, OpenCV, TensorFlow, PyTorch

**Databases & Tools:** MySQL, MongoDB, Git, Docker, Firebase

**Concepts:** Object-Oriented Programming, REST APIs, Agile Development, System Design Basics

### Projects

<b>CodeJanitor</b>	Dec 2025 – Feb 2026 — Build — Think — Adapt — Deployed — Demo
Tech: <i>Python, LangGraph, Docker, FastAPI, ChromaDB</i>	
• Built an autonomous AI security agent using LangGraph and FastAPI to monitor GitHub commits and perform real-time vulnerability detection and automated patching.	
• Developed a Graph-RAG pipeline with AST-based dependency analysis and vector retrieval, improving contextual code understanding and reducing AI hallucinations.	
• Implemented Docker-based isolated sandbox environments executing red-team exploit scripts with 100% host isolation for secure testing and deployment reliability.	

<b>AI-Driven Scene Safety Classifier</b>	Oct 2025 – Dec 2025 — Build — Think — Adapt
Tech: <i>Python, PyTorch, DeepLabV3, OpenCV, Scikit-Fuzzy</i>	

• Designed a computer vision pipeline using DeepLabV3 semantic segmentation and fuzzy logic to classify scenes into 3 safety risk levels (Safe/Caution/Danger).
• Engineered spatial risk analysis across multi-region inputs enabling real-time distance-aware navigation guidance within a 1–12m range.
• Implemented explainable AI reasoning with adaptive thresholding, reducing false-safe predictions by 20% and improving model reliability.

### Work Experience

<b>Thinking Labs AI — Lead Intern Scientist — Think Visual Assist Project</b>	Dec 2025 – Present
• Leading development of an AI-powered visual assistance system integrating computer vision, scene understanding, and real-time inference pipelines for assistive technology deployment.	
• Scaled the AI Visual Assist project to production-level deployment by training and optimizing deep learning models on 40K+ labeled images, improving inference robustness and real-world performance.	
<b>U2CA Consultants — Full Stack Developer Intern</b>	Jun 2025 – Aug 2025
• Developed scalable backend REST APIs using Node.js and Firebase to manage high-volume platform operations, handling event management workflows and blog content delivery while ensuring secure data processing and optimized application performance within an agile development environment.	

### Achievements & Responsibilities

• Top 20 — Smart India Hackathon (SIH) 2024 Internal Round
• Top 10 — Ideathon Competition
• Winner — Global Virtual Classroom (GVC) International Website Designing Competition