



## Laksh Sharda

B.Tech in Computer Science and Engineering — 2023–2027  
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Portfolio: Portfolio — Engineering Playbook — Change Blueprint

### EDUCATION

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

### 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> <i>Tech: Python, LangGraph, Docker, FastAPI, ChromaDB</i>	Dec 2025 – Feb 2026 — Build — Think — Adapt — Deployed — Demo
<ul style="list-style-type: none"><li>Built an autonomous AI security agent using LangGraph and FastAPI to monitor GitHub commits and perform real-time vulnerability detection and automated patching.</li><li>Developed a Graph-RAG pipeline with AST-based dependency analysis and vector retrieval, improving contextual code understanding and reducing AI hallucinations.</li><li>Implemented Docker-based isolated sandbox environments executing red-team exploit scripts with 100% host isolation for secure testing and deployment reliability.</li></ul>	
<b>AI-Driven Scene Safety Classifier</b> <i>Tech: Python, PyTorch, DeepLabV3, OpenCV, Scikit-Fuzzy</i>	Oct 2025 – Dec 2025 — Build — Think — Adapt
<ul style="list-style-type: none"><li>Designed a computer vision pipeline using DeepLabV3 semantic segmentation and fuzzy logic to classify scenes into 3 safety risk levels (Safe/Caution/Danger).</li><li>Engineered spatial risk analysis across multi-region inputs enabling real-time distance-aware navigation guidance within a 1–12m range.</li><li>Implemented explainable AI reasoning with adaptive thresholding, reducing false-safe predictions by 20% and improving model reliability.</li></ul>	

### Work Experience

<b>Thinking Labs AI</b> — <i>Lead Intern Scientist — Think Visual Assist Project</i>	Dec 2025 – Present
<ul style="list-style-type: none"><li>Leading development of an AI-powered visual assistance system integrating computer vision, scene understanding, and real-time inference pipelines for assistive technology deployment.</li><li>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.</li></ul>	
<b>U2CA Consultants</b> — <i>Full Stack Developer Intern</i>	Jun 2025 – Aug 2025
<ul style="list-style-type: none"><li>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.</li></ul>	

### Achievements & Responsibilities

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