

MANYA LUTHRA

Coder ~AI Enthusiast

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[Portfolio](#) — [LinkedIn](#) — [Leetcode](#) — [GitHub](#)

EDUCATION

Year	Degree /Institution	CGPA / %
2022–2026	B.tech CSE(Spec.AIML) The Northcap University, Gurugram	8.83 (ongoing)
2022	CBSE XII, St. Michael Sr. Sec. School, Gurugram	92.6%
2020	CBSE X, Our Lady of Fatima Convent School, Gurugram	92.2%

EXPERIENCE

Rockwell Automation India Pvt. Ltd Jun 2025 - Aug 2025

Software Intern

- Designed and implemented a Flask-based OCR web application using Tesseract and Azure SQL to automate extraction of equipment data from manuals, reducing manual processing time
- Worked closely with automation engineers to integrate the solution into Rockwells maintenance workflow, aligning with industrial automation standards. [View Certificate](#)

PROJECTS

OCR Web App with Azure SQL Integration

Jun 2025 - Aug 2025

- Built a **Flask App** using **Tesseract OCR** for real-time value and unit extraction.
- Used **AZURE SQL** for storage and added Interactive **Dashboards** for visualization. [\[Link\]](#)

RoadSight-Lane-Detection-Dashboard - Computer Vision /Frontend

Sep 2025 - Nov 2025

- Detect lane lines in images and videos using OpenCV with a Flask-based web interface.
- Upload media to view original and processed outputs side-by-side with highlighted lane lines.
- Modern, responsive dashboard for smooth image/video analysis [\[Link\]](#)

Social Network Analysis Dashboard - NLP/Frontend

Sep 2025 - Nov 2025

- Visualizes startup ecosystems with interactive network graphs, statistical dashboards, and word clouds.
- Provides key SNA metrics like degree centrality, betweenness, and k-core, plus searchable company details. [\[Link\]](#)

ESP32 Smart Lock System With Bluetooth Communication -

Oct 2025 - Nov 2025

- A comprehensive multi-access door lock system built with ESP32, featuring RFID authentication, keypad entry, and Bluetooth remote control capabilities. [\[Link\]](#)

SKILLS

- Languages:** JAVA, Python, HTML, CSS, JavaScript
- Subjects / Skills:** Computer Vision, NLP, Deep Learning, Machine Learning, DSA, IOT-Arduino/ESP-32
- Database/Tools:** Azure, GitHub, Leetcode, MySQL/VS-CODE

CERTIFICATIONS

- PrepInsta Technologies Pvt. Ltd - [Javascript CSS HTML NLP](#)
- Microsoft Azure AI Fundamentals [Certificate](#)
- IoT Minor Certificate | Arduino • ESP32 • NodeMCU • Cloud Computing [Awaited]

ACHIEVEMENTS/PATENTS

- An intelligent cooling system for dynamic monitoring, prediction and optimization of storage conditions in real time Published under German Patent and Trademark Office (DPMA), Application No. 20 2025 102 115.3.
- Water Management System, Published under Indian Patent Office Application No. 202311072065.
- 2nd Place – ACM Code Rush @ NCU
- Reconciliation Prize – Ideathon @ NCU
- Merit Scholarship – The NorthCap University, 2023
- Training & Skill Development - ISHRAE NCU Chapter, The NorthCap University