



HARSHITA LOHIA


Software Engineering student

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Education

Vellore Institute of Technology, Chennai CGPA: 8.73 (2022 - 2025)	2022 – 2026
Bhavan's Rajaji Vidyasharam Senior Secondary: 90.0% (2022)	2022
Bhavan's Rajaji Vidyasharam Secondary: 89.0% (2020)	2020

Internship

Intern, Congruent Solutions 	05/2025 – 07/2025 Chennai
<ul style="list-style-type: none">• Worked on Microsoft Azure ML for data classification and training pipelines.• Prepared detailed requirement documentation and test cases improving workflow clarity and development speed.• Gained domain exposure to retirement services and enterprise product infrastructure.	

Project

Autonomous Drone-Based Reforestation Path Planning	03/2024
<ul style="list-style-type: none">• Developed an end-to-end drone image processing pipeline for reforestation planning.• Used DeepForest (CNN) for tree detection and Rasterio, WebODM, Agisoft Metashape for mapping.• Processed 2.5 GB+ aerial imagery into orthomosaics, DSM, and DTM models.• Detected 1,200+ trees and generated canopy height models (<5 m error).• Applied Douglas-Peucker algorithm for efficient path planning and planting-zone identification.	
AI-Powered Receipt Processing & Expense Automation Bot	08/2025
<ul style="list-style-type: none">• Developed an AI-driven Telegram bot that automates receipt processing using n8n workflows, Mistral OCR, and Google Sheets for structured data storage.• Built intelligent parsing logic to extract key fields and implemented data validation, duplicate detection, and month-wise auto-routing.• Integrated a natural-language query system using the MinMax-M2 AI model + Calculator to answer user questions with real-time computation.• Designed end-to-end workflows including error handling, resulting in a fast, fully automated expense-tracking solution accessed entirely through Telegram.	







Skills

Language: C | C++ | Java | Python | SQL | R | JavaScript | HTML | Arduino | NLP | Prompt Engineering

Course Work: DSA | OOP | OS | CN | AI | ML | ROS | RPA | DBMS

Technology: AWS | LINUX | Azure | Mysql | Github | UIPath | Git | RAG

Certificate & Badges

• AWS Knowledge Badge 	• Computer Networks Master Course 	• Advanced Software Engineering Job Simulation – Walmart 
• Cloud Platform Job Simulation - Verizon 	• Microsoft Azure Fundamentals (AZ-900) 	• Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate 

Position of Responsibility

Enactus, *HR*

Managed HR operations for 200+ members; optimized onboarding process and improved internal event participation by 25%.

MyCaptain, *Campus Ambassador*

Promoted MyCaptain programs and managed student engagement and data coordination.