

HARSHITA LOHIA

Software Engineering student

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 Harshita-lohia

 Github

Education

Vellore Institute of Technology, Chennai

2022 – 2026

CGPA: 8.73 (2022 - 2025)

Bhavan's Rajaji Vidyasharam

2022

Senior Secondary: 90.0% (2022)

Bhavan's Rajaji Vidyasharam

2020

Secondary: 89.0% (2020)

Internship

Intern, Congruent Solutions

05/2025 – 07/2025 | Chennai

- 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

- 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

- 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 
- Cloud Platform Job Simulation - Verizon 
- Computer Networks Master Course 
- Microsoft Azure Fundamentals (AZ-900) 
- Advanced Software Engineering Job Simulation – Walmart 
- 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.