

# N Laxmi Nandhan Rao

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## EDUCATION

### Sreenidhi Institute of Science and Technology

Bachelor of Technology — Electronics and Computer Engineering — CGPA: 8.7

Hyderabad, Telangana

Nov 2022 – Apr 2026

### Narayana Junior College

Intermediate (MPC) — Score: 96%

Hyderabad, Telangana

2020 – 2022

## EXPERIENCE

### AI Research Intern

Alpes AI

March 2025 – September 2025

Hyderabad, India

- Contributed to a semantic search system for 2,000+ legal documents.
- Contributed to a video frame similarity project using the KE SIEVE algorithm.

## PROJECTS

### Leetcode Assistant | React.js, Flask, MongoDB, JWT Auth, Docker, GraphQL

[link](#)

- Built a Flask-based REST API that wraps LeetCode's internal GraphQL endpoints to provide simpler data access for the frontend .
- Full-stack website that identifies MNC'S-specific questions and simplifies progress tracking and revision.
- Deployed and self-hosted the application on a Linux VM, managing the server setup and application runtime manually.

### SHESAFE: AI Driven Surveillance System | Python (OpenCV, SMTP), KNN, MoViNet

[link](#)

- Constructed a video anomaly detection system using deep learning to identify incidents like abuse,kidnap, achieving 90% accuracy using CNN and movinet.
- Implemented K-Nearest Neighbors algorithm for safe route optimization using crowd-sourced crime data, reducing high-crime area exposure.

### Dynamic Load Balancer | Python, Flask, Docker, Bash

[link](#)

- Built a programmable load-balancing engine with custom health-checks and routing (round-robin + adaptive), enabling stable traffic distribution across multiple microservice replicas.
- Containerized and orchestrated all services using Docker, benchmarking throughput to show consistent performance and improved scalability under variable load.

## SKILLS

**Languages:** C++, Python, SQL

**Web Development:** React.js, Flask, FastAPI, GraphQL

**Databases:** MongoDB, MySQL

**Cloud & DevOps:** Docker, AWS, GitHub Actions (CI/CD), Linux

**Tools:** Git, Postman

## LEADERSHIP EXPERIENCE

### Lead - Cloud Community Club

- Contributed to a Tech community of 150+ members through workshops and bootcamps focused on Scripting, Deployment, AWS

### Vice President - Alumni Cell

- Organized networking events, Handled alumni website data.

## ACHIEVEMENTS

- 3× National-Level Hackathon Winner (VNR-VJ, HACK-ARENA, HACKTIVATE)
- LeetCode Top 8% Globally — 1775 rating, 500+ problems solved