

# Siri Mahalaxmi Vemula

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## CAREER OBJECTIVE

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Passionate Software Development Engineer building scalable applications using cutting-edge technologies and tech stacks. Enthusiastic about making meaningful contributions to a reputed institution and continuously learning and implementing new things

## EDUCATION

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- **Malla Reddy College of Engineering and Technology** *Hyderabad, India*  
*B.Tech in Computer Science and Engineering (CGPA: 9.00/10)* *Expected 2026*
- **Sri Nalanda Junior College** *Telangana, India*  
*Intermediate (XII), State Board* *2022*

## TECHNICAL SKILLS

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- **Languages:** Python (Beginner), Java (Intermediate), JavaScript, TypeScript, SQL
- **Frontend:** HTML, CSS, React.js, Tailwind CSS
- **Backend:** Flask, Postman API, REST APIs, Flask-SocketIO
- **Database:** MySQL, MongoDB
- **Tools & Infra:** Git, GitHub, Linux, GitHub Actions

## PROJECTS

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- **DataPulse: Real-Time Data and Schema Monitoring System** *Jul 2025 – Present*
  - Developed a real-time monitoring system using **PostgreSQL**, **Celery**, **Redis**, and **Watchdog** to detect schema drift and data anomalies.
  - Designed modular architecture with **FastAPI**, JWT-auth, CI pipeline using GitHub Actions, and responsive **React.js** + **Tailwind** frontend.
- **Justice Genie – AI-Powered Legal Assistant** *Mar 2024 – Oct 2024*
  - Built multilingual AI chatbot using **Flask**, **MongoDB**, **React**, **Chart.js**, and **Gemini API**.
  - Engineered OTP/email auth, voice-based Q&A, legal quizzes, analytics dashboard, and PDF export.

## CERTIFICATIONS & TRAININGS

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- Cisco Certified Network Associate ([NetAcad](#))
- NVIDIA Deep Learning
- AWS Training and Certifications - Introduction to Gen AI - Art of Possible
- Postman API Fundamentals Student Expert ([CANVAS Badges](#))
- Intel Unnati ML Workshop(2024)

## ACHIEVEMENTS

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- **Participant** – HackAPTS State-Level Hackathon (GeeksforGeeks @ ANITS)
- **Team Member** – Smart India Hackathon 2024 Internal Round (MRCET), Team ID: 16129
- **Problem Solving:** Active on Competitive platforms (LeetCode, CodeForces)
- **Leadership:** Team Leader for App Development Project
- **Academic Performance:** Maintaining 9.00/10 CGPA in Computer Science Engineering