

Nerella Keerthi

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Career Objective

Aspiring Application Engineer with strong interests in open-source development, AI, and societal impact. Selected as a Tech Lead Intern in Swecha Telangana's Viswam.AI program, contributing to AI solutions for local languages.

Education

- **B.Tech in Computer Science and Engineering**
BVRIT HYDERABAD, affiliated with JNTU-H, (CGPA: 7.82 until 4th sem) 2022-2026
- **Intermediate in MPC**
KLN Junior College, Miryalaguda, (Percentage: 91.4%) 2020-2022
- **SSC**
Aditya High School , Miryalaguda, (GPA: 10/10) 2020

Technical Skills

- **Programming Languages:** Python, Java, C.
- **Core Concepts:** Object-Oriented Programming, Data Structures Algorithms, Complexity Analysis.
- **Web Technologies:** HTML, CSS, JavaScript (Basics).
- **Databases:** SQL.
- **Tools & Platforms:** Git, GitHub, Visual Studio Code.
- **Soft Skills:** Quick learner, Adaptable, self-starter, problem-solver.

Projects

- **RAG-Based Chatbot using Hugging Face & Streamlit**
 - Built a Retrieval-Augmented Generation chatbot that answers user queries grounded in local PDF documents using Hugging Face transformers.
 - [GitHub Repo: github.com/keerthi070/RAG](https://github.com/keerthi070/RAG)
- **Sign Language Video Assistant (Browser Extension)**
 - Developed a browser extension that displays a 3D sign language avatar beside online videos to assist the deaf community. Using Three.js to render GLB models and enable real-time gesture playback.
- **AgriTech**
 - Developed an AI-powered farming assistant to recommend crops, detect plant diseases via image-based AI, suggest fertilizers, and offer real-time market price insights. Designed to support farmers with smart, data-driven agricultural decisions.
 - <https://code.swecha.org/Keerthi07/agritech/-/tree/main/>

Internships

- **Tech-Lead Intern – Viswam.AI (Summer of AI 2025)(Open Source Community)**
 - Leading AI pipeline development using Python, NLP techniques, and Transformer architectures.
 - Supporting open-source deployment of community-driven solutions with a focus on local language accessibility.

Trainings

- **AWS DeepRacer Student:** Prequalified for AWS AI & ML Scholarship.
- **C Programming**
- **Computer Basics**

Achievements

- Finalist of AI Hack Days 2025.
- Volunter and Core member of DevAstra'25 Hackathon
- Selected for MSME Internal Hackathon.
- Contributor at GirlScript Summer of Code (GSSoC) 2024 – Participated in open source projects and contributed code collaboratively.
- Advanced to phase-2 of Vultr Cloud Hackathon.
- Selected for SIH internal hackathon.
- Recognized as a top performer on the Overall Leaderboard at TechGig – for consistent performance in open source coding contests and challenges.

Certifications

- HackerRank Certification in Python (Basic)
- IBM Badge in Web Development Fundamentals
- HackerRank Certification in SQL (Basic)

Languages

- Telugu
- English
- Hindi