

Keerthi Nerella

<https://github.com/keerthi070> | <https://www.linkedin.com/in/nerella-keerthi-590441259/> |
22wh1a6629@bvrithyderabad.edu.in | <https://leetcode.com/u/keerthi070/> | 7893286317

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), React (Learning).
- **Databases:** SQL, Relational Database Concepts.
- **Tools & Platforms:** Git, GitHub, Visual Studio Code, AWS (Beginner).
- **Soft Skills:** Quick learner, effective communicator, self-starter, problem-solver.

Projects

- **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/>
- **Coffee Central Project**
 - Objective: To find optimal locations for coffee shops based on user inputs.
 - Technologies: Python, Tkinter, Folium, PIL, WebBrowser, Pygame, AntPath
 - <https://github.com/keerthi070/CoffeeCentral>

Internships

- **Tech Lead Intern – Swecha Telangana (Open Source Community)**
 - Selected for the Viswam.AI Summer of AI Program organized by Swecha IIITH in collaboration with Meta, TASK, and HYSEA.
 - Will lead development of AI pipelines using Python, NLP, and Transformer architectures.
 - Expected to contribute to training and fine-tuning of AI models, data curation, and annotation.
 - Aimed at building and deploying impactful AI systems supporting Indic languages and local communities.
 - Hybrid internship for 6–8 weeks with both in-person and remote components.

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