

# Keerthi Nerella

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

## Career Objective

Aspiring Application Engineer with expertise in Java, Python and web development, delivering scalable solutions and process optimizations through innovative technical expertise.

## 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 Fundamentals:** Data Structures and Algorithms, Object-Oriented Programming (OOP), SoftWare Engineering.
- **Web Technologies:** HTML, CSS.
- **Database Management:** SQL.
- **Tools:** MS Office (Word, Excel, PowerPoint).
- **Development Tools:** GitHub, Git.

## 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>

## 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