



Roshitha Basuru

PROFILE

Motivated Computer Engineering graduate with a solid foundation in software development, cloud computing, and networking. Seeking an entry-level role to apply my technical skills and grow within a dynamic, innovation-driven organization.

EDUCATION

- B. Tech in Computer Science and Engineering (2023-26) from GMR Institute of Technology, Rajam with 9.2 CGPA.
- Diploma in Computer Engineering (2020-23) from Govt. Polytechnic for Women, Srikakulam with 83%.
- SSC(2020) from Sri Chaitanya Techno School, Rajam with 99%.

LEARNING EXPERIENCE

Summer Internship at HashTek Solutions

2024

- Gained hands-on experience in AWS by launching EC2 instances, configuring Public/Private VPCs, Subnets, and Routing Tables, and hosting a static website to ensure reliable web accessibility.
- Acquired foundational Linux skills through basic command-line operations for system navigation and server management.

Internship at HMI Engineering Services

2022 - 2023

- Hands-on experience in full stack programming using Java.
- Developed a project titled 'Software Piracy Prevention'.
- Collaborated with team members in an agile environment to iterate on product features and improve overall application performance.

PROJECTS

Real-Time Assistive Technology for Hearing and Speech Impairments using Deep Learning

- Developed a deep learning-based system using CNNs and TensorFlow to translate American Sign Language hand gestures into real-time text and speech output.
- Implemented gesture recognition using a webcam, MediaPipe, and OpenCV; integrated a GUI with Tkinter and speech output with pyttsx3 to enhance accessibility.

CERTIFICATIONS & RESEARCH

- Published research paper titled "Real-Time Assistive Technology for Hearing and Speech Impairments Using Deep Learning" in IJRPR (IF: 6.844), April 2025.
- Achieved NPTEL Elite+Silver Certification in Cloud Computing with a final score of 83/100 (Jul-Oct 2024).
- Published research paper titled "Automatic Speaker Recognition Using Neural Networks" in IJPREAMS (Impact Factor: 7.001), Dec 2024.

CONTACT

+91 9490713965

roshithabasuru@gmail.com

Sri Krishna Nagar, 2nd line, Rajam, Vizianagaram (Dist.), Andhra Pradesh. PIN-532127

LANGUAGES

- English (Fluent)
- Telugu (Fluent)
- Hindi (Basics)

SKILLS

- Good communication skills
- Problem solving skills
- Team management ability
- Adaptability

PERSONAL DETAILS

Father's Name: B. Bhaskara Rao

Mother's Name: L. Renuka Devi

Date of Birth: 08/12/2004

Gender: Female

Marital Status: Single

Nationality: Indian