

TEJASRI GOTTIPATI

DoB: December 09, 2004

📍 4-99,veeravatanam,Ropicherlla, Andhra Pradesh

☎ +91-6294224340

✉ tejasrigottipati0912@gmail.com

🌐 <https://www.linkedin.com/in/tejasri2004>

🐙 <https://github.com/teju09-code/>



PROFILE

I am a passionate Computer Science professional with a strong foundation in software development and a deep interest in Artificial Intelligence. I aim to contribute to innovative projects by applying my skills in AI, machine learning, and emerging technologies. Eager to grow in a dynamic organization, I am committed to continuous learning and delivering impactful solutions that drive progress and innovation.

EDUCATION

Velagapudi Ramakrishna Siddhartha Engineering College

B.Tech - CSE - CGPA - 8.89

Oct 2022 – Jun 2026

Vijayawada, India

VIT Jr College

Intermediate - PCM - Percentage - 96.3%

Jun 2020 – Mar 2022

Vijayawada, India

Oxford High School

10th Std. - Marks - 600

Mar 2020

Vijayawada, India

SKILLS

Programming Languages: C, Python, Java

Scripting languages: HTML, CSS, JavaScript, React

Frameworks: Java Collections Framework, Java Servlet, Java Server Pages, Tensorflow, Keras

Database Management: SQL, My SQL, MongoDB

Developer Tools: VS Code, Google Colab, PowerBI, MS Office

Soft Skills: Leadership, Time Management, Effective Communication, Problem Solving, Team work, Adaptable

Courses: Data Structures and Algorithms, Database Management Systems, Computer Networks, Operating Systems, Machine Learning, Principles of cloud computing, Data Mining and Data Warehousing, Mobile Application And Development.

RESEARCH PROJECT

Advanced Road Extraction using Enhanced U-net model on Satellite Imagery Jan 2025 – Present

MINI Project

- Accurate roadway mapping is crucial for efficient transportation planning and navigation.
- This project presents a deep learning-based approach that integrates roadway segmentation with automated caption generation from satellite imagery.
- A U-Net model is employed to achieve precise segmentation of roadways from high-resolution satellite images.
- A captioning model combining BERT and Swin Transformer is used to generate detailed descriptions of road conditions and connectivity.
- The objective is to enhance the accuracy of roadway identification and connectivity analysis.
- The approach aims to support more effective mapping, aiding transportation infrastructure development and planning efforts.

ENGINEERING PROJECTS

Optimizing Squeeze-Net for Cervical Cancer Detection

Aug 2024 – Dec 2024

EPICS Project

Deep Learning-CNN

- Developed a deep learning-based automated tool for multi-class classification of cervical cells to assist in cervical cancer diagnosis.
- Implemented a customized SqueezeNet architecture integrated with attention mechanisms for improved feature extraction and classification.
- Utilized the SIPaKMeD dataset to classify cervical cells into five distinct categories.
- Aimed to improve diagnostic accuracy, reduce human error, and support early detection and treatment planning.
- Designed to provide pathologists with a reliable AI-powered diagnostic assistant.

EXTRA CURRICULAR ACTIVITIES

Microsoft Learn Student Chapter

Oct 2024 – Present

Cloud Computing Co-Lead

- Actively engaged in various Microsoft Learn Student Chapter(MLSC) events, contributing to workshops and discussions to enhance technical skills and foster community engagement.

ONLINE COURSES & CERTIFICATIONS

Foundations of R Software - (77%)

Oct 2024

NPTEL Swayam

Amazon Web Services - Cloud Computing

July 2024

APSSDC

Python Basics for Data Science

March 2024

edX-Courses

Programming Essentials in C

Apr 2023

Cisco Networking Academy

SCHOLASTIC ACHIEVEMENTS

- Secured 1st position in the Tech Talk Series at the Savishkar competition, organized by Vijaya Institute of Technology in the year 2025.
- Received scholarship from North South Foundation in the year 2023,2024.
- Acquired a rank of 6743 among a total of over 2,06,579 candidates in the Andhra Pradesh - Engineering Agricultural and Pharmacy Common Entrance Test (AP-EAPCET 2022).

VOLUNTEER EXPERIENCE

Littel Hands Organization (LHO)

Feb 2024 – Present

Volunteer

Vijayawada, India

- Vice President in the year 2024 for the region of vijaywada team ,Participated in different service activities like Aarathi, Abhyas, Talk for the Nation etc.

National Service Scheme (NSS)

Jan 2023 – Present

Volunteer

Vijayawada, India

- Participated in different service activities like blood donation camp, waste plastic collection, etc.