

TEJASWI GUTTULA

Software Engineer — Computer Science Graduate 2026 — Full Stack Developer

☎ +91-630-089-6766 ✉ tejaswiguttula1@gmail.com  LinkedIn  GitHub  LeetCode
Bhimavaram, Andhra Pradesh, India

Professional Summary

Computer Science graduate with experience in distributed systems, machine learning, and large-scale application development. Proficient in C++, Java, Python with Unix/Linux, TCP/IP networking, and information retrieval. Demonstrated ability to design, test, deploy and maintain scalable software solutions.

Technical Skills

Languages: C++, Java, Python, JavaScript, C, TypeScript, SQL, HTML5, CSS3
Systems: Unix/Linux, Distributed Systems, TCP/IP, Networking, Microservices
ML/AI: TensorFlow, Keras, Scikit-learn, NLP, Data Mining
Frameworks: React.js, Node.js, Express.js, Spring Boot, Docker, Git
Databases: MySQL, PostgreSQL, MongoDB, Redis, IR Systems

Education

B.Tech in Computer Science & Design

Sagi Ramakrishnam Raju Engineering College, Bhimavaram

Expected May 2026

CGPA: 7.93/10

– Relevant: Data Structures & Algorithms, Distributed Systems, ML, Computer Networks, DBMS

Diploma in Artificial Intelligence & Computer Science

ISTS Women's Engineering College, Rajanagaram

2020 – 2023

CGPA: 9.5/10

Professional Experience

Software Engineer

MCR Web Solutions

Jan 2023 – Dec 2023

Bhimavaram, Andhra Pradesh

- Designed and developed large-scale web applications serving 2000+ users with 40% throughput improvement
- Implemented distributed architecture and deployed on Linux with TCP/IP protocols for enhanced reliability
- Collaborated on cross-functional teams solving complex challenges in data access and system integration

Key Technical Projects

Distributed Cybersecurity Risk Assessment | *Java, Python, ML, TCP/IP* |

2025

- Built distributed system for real-time network security monitoring using Java backend and Python ML engines
- Implemented Isolation Forest and Random Forest for anomaly detection and threat classification with 92% accuracy

Large-Scale Student Transportation Platform | *C++, MySQL, Linux*

2025

- Developed transportation system with custom TCP/IP protocols, distributed booking, load balancing and fault tolerance
- Optimized database queries and architecture to handle large-scale data processing under heavy load

AI-Powered Learning Platform with NLP | *Python, Java, NLP, Distributed Systems* |

2024

- Architected full-stack platform with Java backend and Python NLP services supporting 500+ concurrent users
- Developed chatbot using NLP and ML for automated Q&A and content recommendation

Urban Sound Classification | *Python, TensorFlow, Linux* |

2025

- Developed ML pipeline achieving 89% accuracy on UrbanSound8K with deep neural networks and MFCC features
- Optimized model for deployment on Unix/Linux with distributed computing techniques

Achievements & Certifications

Competitions: Smart India Hackathon 2024 - Scalable software solution

Certifications: Data Structures & Algorithms (Advanced), Problem Solving (HackerRank), Java Programming

Open Source: Active GitHub contributor with 15+ repositories focusing on distributed systems and ML projects