

# TEEGA NARASIMHARAO

Mail Id: teeganarasimharao@gmail.com

Mobile No: 7997181685

Linkedin: <https://www.linkedin.com/in/teega-narasimharao-b16810288>

## SUMMARY

Highly motivated and detail-oriented engineering graduate with a strong academic background in Data Science and Machine Learning. Proficient in Python, SQL, and data visualization tools such as Power BI, with hands-on experience through academic projects and a published research paper. Demonstrates strong analytical and problem-solving abilities, with a keen interest in building scalable applications using **APIs, TensorFlow, Flask, and Google Cloud Platform (GCP)**. Eager to contribute to innovative and impactful projects that combine technology, creativity, and collaboration in a team-oriented environment.

## INTERNSHIP

### Data Analyst Intern – CS Codenz

January 2024 – April 2024

- Utilized **Python (pandas, NumPy)** and **Power BI** for exploratory data analysis and dashboard creation.
- Optimized statistical forecasting accuracy by **20%** through model tuning and feature engineering.
- Applied **machine learning algorithms** to improve decision-making insights in sports analytics.

## PROJECTS

### Speech Emotion Recognition System Using Machine Learning

Published in International Journal (ISSN: 2347–3657, Vol. 13, Issue 2, 2025)

- Designed and implemented a hybrid **CNN–RNN model** with MFCC feature extraction to detect emotions from speech with **98% accuracy**.
- Integrated **TensorFlow, scikit-learn, and Librosa** for feature extraction, model training, and performance evaluation.
- Published research demonstrating applications of AI for improved human–computer interaction.
- Technologies Used:** Python, TensorFlow, scikit-learn, Librosa, GCP

### Hotstar App Monitoring System

- Developed a data-driven system to monitor user activity, detect fraud, and optimize subscriptions.
- Improved platform security and boosted revenue by 2% using **Python, SQL, Power BI**, and data analytics.
- Implemented **Flask API** for secure data communication and real-time reporting.

## EDUCATIONAL BACKGROUND

### Bachelor of Technology (B.Tech) in Computer Data Science & Engineering

Chalapathi Institute of Engineering and Technology, Lam, Guntur

CGPA: 8.0 | Oct 2021 – Apr 2025

## SKILLS

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### Technical Skills

- **Programming Languages:** Python, C, Basic java
- **Machine Learning & AI:** Machine Learning, Deep Learning, TensorFlow, scikit-learn, Librosa
- **Database & Tools:** SQL, Power BI, Cloud Computing
- **Cloud & Web:** Google Cloud Platform (GCP), Oracle Cloud Infrastructure (OCI)

### Soft Skills

- Communication, Problem-Solving, Teamwork, Time Management

## CERTIFICATIONS

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- **Oracle Certified Professional** – Oracle Cloud Infrastructure (OCI) Generative AI (2025) [LINK](#)
- **Oracle Certified Foundations Associate** – Oracle Fusion AI Agent Studio and Generative AI
- Cloud Computing – **NPTEL**
- Virtual Internship in Data Engineering and AI/ML – **EduSkills**
- Data Analytics Job Simulation – **Deloitte**
- Python, Machine Learning, and Data Analytics – **CS Codenz**

## AWARDS & ACTIVITIES

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- **Research Publication:** Published “*Speech Emotion Recognition using Machine Learning*” in International Journal (**IJITCE**) (ISSN: 2347–3657, Vol. 13, Issue 2, 2025). [View Paper](#)
- Secured **2nd Prize** in Poster Presentation conducted by ISRO.
- Participated in **Ideathon Presentation** at Chalapathi Institute of Engineering and Technology.
- Led and managed a **15-member team** to organize a Personal Development and Awareness Program at a Government School, overseeing planning and successful execution.