

Tejaswini Gaderaboina

Boston, MA | tejaswinigaderaboina@gmail.com | 857-919-9247

EDUCATION

University of Massachusetts Boston | Boston, MA

Master of Science in Informational Technology

Dec 2025

Malla Reddy College of Engineering | Hyderabad, India

Bachelor of Technology in Computer Science and Engineering.

July 2023

TECHNICAL SKILLS

- **Programming Languages:** Python, C, C++, SQL, PHP.
- **Visualization Tools:** AWS-sage maker, Matplotlib.
- **Other Tools:** MS Office Suite, Excel, PowerPoint, Word.
- **Skills:** Leadership, Research, Communication, Time Management, Teamwork, Presentation.
- **Interests:** Social Media Platforms and Trends, AI, ML.

WORK EXPERIENCE

Sodexo | Boston, MA

Sept 2024-present

Operation Associate

- Assisted in food service and adherence to company standards.
- Coordinated with team members to maintain cleanliness.

KEY ACADEMIC PROJECTS

Malla Reddy College of Engineering | Hyderabad, India

AI Based Detection to Find the Different Objects.

Dec 2022

- Developed an end-to-end object detection pipeline that seamlessly processes real-time video streams.
- Fine-tuned the neural network on a custom dataset, ensuring robustness across various object categories.
- Collaborated with team members to optimize model hyperparameters and achieve a remarkable **83.3%** accuracy.
- Conducted rigorous testing and validation to ensure reliable performance in dynamic environments.

Malla Reddy College of Engineering | Hyderabad, India

Blood Oxygen Concentration and Physiological Data Changes During Motion While Wearing Face Mask *Dec 2022*

- Developed a machine learning-based system to detect blood oxygen concentration during physical activities while wearing face masks.
- Collected physiological data from participants engaged in various exercises, including walking, running, and cycling.
- Utilized sensor data (such as heart rate, motion, and oxygen saturation) to infer blood oxygen levels.
- Employed feature engineering techniques to extract relevant information from raw sensor signals.
- Collaborated with a multidisciplinary team to validate the accuracy of the model's predictions.
- Findings from the study contribute to understanding the impact of face masks on oxygen exchange during motion.

Malla Reddy College of Engineering | Hyderabad, India

Spammer Detection and Fake User Identification on Social Network in Instagram

Jan 2023

- Developed a robust machine learning-based system to identify fake users and spammers on Instagram.
- Leveraged various algorithms to enhance accuracy in detecting suspicious accounts.
- Extracted relevant features from user profiles, posts, and interactions to create informative representations.
- Collaborated with a team to validate the model's performance against real-world data.
- Contributed to improving Instagram's user experience by minimizing the presence of fraudulent accounts.

AWARDS

- **Recipient of the MRCE-Project Expo'2k23** Award for demonstrating exceptional technical skills in the project titled "AI-Based Detection to Find the Different Objects," which involved developing an innovative object detection system using deep learning techniques.