

Tejaswini Gaderaboina

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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.	
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