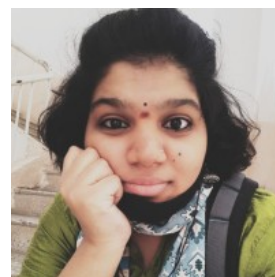


PRATHYUSHA DOKKU | RESUME

- » Status: Graduate Student, M.S. in Computer Science
- » Skills: Python, Machine Learning
- » Interests: Data Analysis, Data Analysis, Image processing
- » Activities: Cycling, Music Listener, Skating, Reading, Dance



Summary

I'm a grad student in Computer Science, passionate about learning and problem-solving with technology. Alongside my academic background, I am a versatile individual, Sapiosexual, active Heritage Conservist and Zoophile. I'm intrigued by Robotics, and Machine Learning, aiming to merge these technology with creativity in my varied fields of interests.

Research Experience

Sep 2022-2023 **Structural Health Assessment of Heritage Structures**

- » Worked on an interdisciplinary project under the guidance of Mrs. Vrushali Kamalakar, Assistant Professor of Civil Engineering Department.
- » Privileged to unlearn, learn, and relearn about Structural Health Assessment of Heritage Structures using latest technologies.
- » Skills: VGG · Heritage Structures · Python · Convolutional Neural Networks (CNN) · Image Processing · Structural Health Assessment
- » Publication: link.springer.com/chapter/10.1007/978-3-031-39450-8_80

Oct 2022-2023 **Animal Detection in Camera Trap Images**

- » Team Leader of Project. Developed an Automated image classification software with location invariance using images from public sources (e.g., Flickr) and compared results with models trained solely on camera trap datasets.
- » Achieved an accuracy of 99.36% for the proposed model, surpassing existing models.
- » Worked under the guidance of Mrs. Swapna Mudrakola, Assistant professor, CSE department
- » Skills: Project Management · VGG · Python (Programming Language) · Convolutional Neural Networks (CNN)
- » Publication: under publication

Education

2024 - 2026 **Master's Degree, Computer Science**

- » Southern Illinois University, Carbondale
- » Currently pursuing

2019 - 2023 **Bachelor's Degree, Computer Science**

- » Osmania Univeristy, Matrusri Engineering College
- » Major Project: Image Classification of Animals in forest trap cameras
- » Minor Project: Detection of Fake profiles based on data of Social Media
- » Passed out with a CGPA of 8.15

2022 - 2023 **Foundation of Modern Machine Learning Course**

- » IIIT Hyderabad