



# GRADUATE RESEARCH ASSISTANTSHIP

WE ARE LOOKING FOR A MASTERS & A PHD STUDENT (TWO POSITIONS)

TOPIC - DEEP LEARNING & COMPUTER VISION FOR MAPPING INVASIVE AQUATIC SPECIES

Geosystems Research Institute (GRI) at Mississippi State University is looking for two graduate students (one PhD & one Masters) in electrical (EE) or computer engineering (CPE) or computer science (CS). Graduate students will be working on a project funded by the U.S. Army Engineer Research and Development Center (ERDC) to develop methods and software for mapping invasive aquatic plants using deep learning and small unmanned aerial systems.

This is a collaborative four year project with University of Vermont & ERDC.

Students will be working with Dr. Sathish Samiappan as graduate advisor, collaborating with Dr. Gray Turnage and other scientists at GRI & University of Vermont.

Students are expected to secure admission to graduate school at Mississippi State by meeting all the university requirements. For more details, Visit: [www.grad.msstate.edu](http://www.grad.msstate.edu)

## Qualifications

### For PhD

- Bachelors & masters in EE, CPE or CS
- Strong coding skills in python
- Strong analytical & interpersonal skills
- Passion for interdisciplinary research
- Strong technical writing skills

### For Masters

- Bachelors in EE, CPE or CS
- Strong coding skills in python & C++
- Experience in windows software or web development
- Strong analytical & interpersonal skills

**EXPECTED START DATE: JANUARY 6, 2023**

**TUITION AND INSURANCE FULLY PAID**

**STIPEND FOR PHD STUDENT - \$25,000/YEAR (4 YEARS)**

**STIPEND FOR MASTERS STUDENT - \$20,000/YEAR (3 YEARS)**

Screening of applications will begin on Nov 5, 2023

SEND YOUR INTEREST LETTER, RESUME & UNOFFICIAL TRANSCRIPTS TO EMAILS LISTED BELOW



**DR. SATHISH SAMIAPPAN**  
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