

Monish Reddy Kotturu

Undergraduate computer science student interested in data science, robotics, and web development

CONTACT

☎ +1 (508) 333-2246
✉ monishreddy_kotturu@student.uml.edu
✉ monishkotturu@gmail.com
🌐 monishkotturu.com
🐙 github.com/mokotturu
in linkedin.com/in/monish-reddy-kotturu/

EDUCATION

University of Massachusetts, Lowell
Computer Science Major
Expected Graduation: May 2023

- GPA: 3.815/4.0
- Dean's list since first semester
- Coursework: Data structures, Computer Architecture, Operating Systems, Organization of Programming Languages, Artificial Intelligence, Reinforcement Learning, Calculus, Discrete Structures, Linear Algebra, Probability and Statistics

Natick High School
Graduated: August 2020

- GPA: 4.24/4.0
- Relevant coursework: Object-Oriented Programming, Web Design

PROJECTS

- Created websites for NERC 2022 and the ARL STRONG group at UML
- Worked on multiple personal projects such as simulations of robot exploration algorithms, Conway's game of life, and more (please review my GitHub profile)

PUBLICATIONS

- Published "The Effect of Performance-Based Compensation on Crowdsourced Human-robot Interaction Experiments" as a second author (details on my website)

TECHNICAL SKILLS

Languages

- HTML/CSS/JavaScript, Python, C/C++, Java

Libraries, Frameworks, Technologies

- NodeJS, Express, ReactJS, VueJS, Tailwind CSS, jQuery, MongoDB, Heroku, NumPy, Matplotlib, SFML, LaTeX

Tools

- Visual Studio Code, Visual Studio, Adobe Dreamweaver, Git, Vim

RESEARCH EXPERIENCE

Army Research Lab - Strengthening Teamwork for Robust Operations in Novel Groups (ARL STRONG)
Undergraduate Research Assistant
September 2020 - PRESENT

- Created a web application using HTML/CSS/JS, NodeJS, Express, and MongoDB to simulate a 2D game for a research study
- Automated the analysis of the study results by developing Python and MongoDB pipeline scripts

Persistent Autonomy and Robotics Learning (PeARL) Lab
Undergraduate Research Assistant
September 2020 - PRESENT

- Worked with a professor in the PeARL lab to investigate the multi-agent multi-armed bandit problem, generate new data through simulations, and connect results to the STRONG work

WORK EXPERIENCE

Kaizntree
Student Intern
June 2021 - August 2021

- Implemented interactive GUI elements using Vue.js that interact with a REST API in Django to display information and provide inputs for the user to modify it
- Debugged existing components and designed a user experience to minimize user effort and time