# Manjushree Muralidhara

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## Experience

**Graduate Research Assistant** @ VMASC, Suffolk, VA | *May 2023 - Present*

- Developed AI model for path finding using reinforcement learning and Bellman-Ford algorithm
- Integrated model with Google Maps API for real-time path optimization
- Collaborated in a multidisciplinary team for seamless system integration
- Engineered software robots to automate business processes

**Graduate Research Assistant** @ Handon Lab, Norfolk, VA | *Aug 2022 - Dec 2022*

- Developed Node.js backend services and React user interfaces for an internal tool
- Led requirement gathering sessions and managed task analysis for the project
- Implemented REST APIs and MongoDB database integration

**Programmer Analyst** @ Cognizant, Bangalore | *Nov 2020 - Jul 2022*

- Implemented secure file transfers with Axway for client projects
- Debugged and resolved issues in Unix scripts
- Provided IT support and maintained system operations
- Achieved 95% daily success rate resolving customer tickets

## Skills

- Programming: Python, Java,Dart,C++
- Frontend: HTML/CSS, ReactJS, Flutter
- Backend: Node.js, Express, Flask
- Databases: MySQL, MongoDB, Firebase
- Tools: Git, BitBucket, Jenkins, JIRA

## Projects

**Mission Analytics - RF Cyber Attacks** @ ODU | *May 2023 - Present*

- Developed AI model for optimal path finding and integrated with Google Maps
- Built simulation environments to analyze wireless signal collisions

**Taste of India** @ ODU | *Aug 2022 - Present*

- Built mobile app with Flutter/Dart for an Indian cultural festival
- Implemented Google Maps integration and Stripe payments

**VSorts Web App** @ ODU | *Mar 2021*

- Built web app with ReactJS/Node.js to visualize sorting algorithms

## Education

**Old Dominion University** - Norfolk, VA
Master of Science in Computer Science - GPA: 3.35/4.0
Courses - Web Programing, Data Visualization, Algorithms and Data Structures

**Acharya Institute of Technology** - Bangalore, India
Bachelor of Engineering in Electronics and Communication - GPA: 7.03/10
Courses - Artificial Neural Networks, Pattern Recognition, Machine Learning