

# JANANI MOHAN

## ROBOTICS ENGINEER

### CAREER OBJECTIVES

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I believe that the drive to develop lies in the need to develop. I want to work on a challenging problem which has a larger than life impact on this world. I am looking to tackle problems which promote a sustainable future.

### CORE SKILLS

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- Focused, Innovative and Self-Motivated
- Specialized experience in algorithms for multi-robot interactions in real time
- Proven background in problem solving and designing solutions for real world problems
- Solid Software troubleshooting and debugging skills
- Data analysis and warehousing skills
- Proficient in Java, C++, Python, JavaScript, CSS, Bash, R, AWS, Eclipse, Jenkins, Git

### CONTACT INFORMATION

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<https://janani-mohan.github.io/>

### MY EDUCATION HISTORY

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#### WORCESTER POLYTECHNIC INSTITUTE

##### Master's Degree in Robotics Engineering, 2016 - 2018

- Graduated with distinction, with a GPA of 4.0
- Thesis in Swarm Robotics on efficient dynamic task allocation algorithm for SWARM robots considering their energy constraints and buffer constraints while performing environment sensing tasks.
- Humanoid Robotics Lab Developer who worked as a part of the 40 member team for NASA Space Robotics Challenge 2016.

#### COLLEGE OF ENGINEERING, TRIVANDRUM, INDIA

##### Bachelor of Technology in Electronics and Instrumentation

- Graduated with Honors, with a GPA of 8.73 /10

### MY WORK HISTORY

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#### SENIOR ROBOTICS SOFTWARE ENGINEER

##### Vecna Robotics | Oct 2020-present

- Optimizing planning algorithms for multi-robot task allocation
- Developing UIs for Human Machine Interactions
- Developing Automated Integration Testing Framework

#### SOCIAL AND INTERNAL AWARENESS COMMITTEE CHAIR

##### Vecna Robotics | June 2020-Aug 2021

- Promoting a more inclusive and diverse work culture.
- Organized talks by DEI speakers and other cultural celebrations to promote inclusiveness within the company.
- Learning diversity along the way and spreading the knowledge to others.

#### ROBOTICS SOFTWARE ENGINEER

##### Vecna Robotics | June 2018 - Oct 2020

- Developed features for robot-server communication, server performance handling and optimizations.
- Designed UI improvements for client facing UIs and UI used by the support team for better productivity.
- Worked with AWS servers to emulate large scale testing environments.

### CERTIFICATIONS & MEMBERSHIPS

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- Member of Society of Women Engineers, Boston
- Member of Women in Robotics, Boston Chapter
- Coursera Certifications in Internet of Things, Creative Writing, Entrepreneurship and Data Scientist toolbox.