

**abhishekh** reddy munnangi  
graduate student in **robotics**

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## education

M.Eng in Robotics at University of Maryland, College Park

Aug 2022 - Present

Finished second semester with 3.11 GPA

B.Tech in Mechatronics Engineering at Ajeenkya DY Patil University, Pune

Aug 2018 - May 2022

Graduated with 7.87/10 CGPA

## skills

Computer Languages      C++, Python and MATLAB

Softwares                  KiCAD, Fusion 360, Solidworks, STM32CubeMX

Utilities                    Linux Shell, Docker

## experience

Software Team Member at Terraformers URC

Apr 2023 - Present

- Developing software for the rover and its manipulator for the 2024 University Rover Challenge.
- Writing a URDF description file for the manipulator to integrate with ROS ecosystem.
- Setting up communication between an STM32 Nucleo Board and a single-board computer using micro-ROS.

Robotics Engineer Intern at iTrontik Smart Systems

May 2021 - Apr 2022

- Developing software for the rover and its manipulator for the 2024 University Rover Challenge.
- Writing a URDF description file for the manipulator to integrate with ROS ecosystem.
- Setting up communication between an STM32 Nucleo Board and a single-board computer using micro-ROS.