

University Academic Curriculum Vitae

Personal information Name RABERT RAJESH MALLAVARAPU

Place of birth:

Date of birth:

Nationality:

Number of children:

Address:

Telephone numbers:

- Mobile

- E-Mail

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Education since leaving school

- 2017 Bachelors of Applied Science Mechanical Engineering, University Of Windsor, Canada.

- 2023 Masters in Industrial Mechanical Engineering (Automation), Free University Of Bozen-Bolzano, Italy

Professional experience

From / to	Job title	Name of Institution	level	responsibilities
2019-2020	Manufacturing Engineer	Rigmaster Power Ltd	Junior	Evaluated manufacturing processes based on quality criteria, such as efficiency and speed. Organize and manage manufacturing workflows and resources.

Statement of interest

With a background in implementing safety controllers for collaborative robotics and expertise in motion planning and control of redundant manipulators, I am uniquely equipped to contribute to the research project (Redundancy for resilience in smart factories of the future through hybrid mobile robotic systems + Smart Mini Factory) at UNIBZ. The projects undertaken during my master's demonstrate my ability to develop complex robotic applications through ROS and integrate them on COTS Equipment, which align closely with the project's objectives. As a Research Assistant, I aim to leverage my practical experience and theoretical knowledge to advance the understanding and implementation of motion planning and control in the redundant Mobile Manipulator system, for enhancing the resilience of smart factories and contributing to the research excellence at the Smart Mini Factory.

Language competence

Language	Writing	Speaking
English	C1	C1
Italian	A1	A1
German	A1	A1

