



# Mohammed Mohtesham Ahmed Soherwardi

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**Profile:** Dedicated Mechanical Engineer with a strong interest in **Robotics** and **Mechatronics**. Practical experience working with 6-axis robots, mobile robots, and their integration and testing. Open to new challenges and relocation within Germany – ready to contribute my knowledge to a forward-thinking team.

## EXPERIENCE

10/2025 - Present Hamburg, Germany	<b>Tutor for Construction Informatics</b> <b>Institute for Digital and Autonomous Construction</b> <ul style="list-style-type: none"><li>I teach <b>Java</b> in German to first-year bachelor's students at the Hamburg University of Technology.</li><li>I teach the fundamentals of object-oriented programming and database management.</li></ul>
11/2024 - 06/2025 Hamburg, Germany	<b>Tutor for Robotics / Student Research Assistant</b> <b>V Robotia Robotics &amp; VR</b> <ul style="list-style-type: none"><li>Taught <b>robotics</b>, <b>programming</b>, and <b>electronics</b> in German to students aged 5 to 19, promoting STEM skills.</li><li>Development and optimization of robotic components using SolidWorks and 3D printing, ensuring precision and quality.</li><li>Supported the project manager in organizing events for students and assisted them in developing <b>mobile robots</b>.</li></ul>
08/2021 - 02/2022 Hamburg, Germany	<b>Graduate Engineer Intern</b> <b>Supreme Diesel Industry (Bosch), Kalaburagi, India</b> <ul style="list-style-type: none"><li>Performed detailed engine performance analyses using MS Excel to document key performance indicators such as brake power, fuel efficiency, and calibration accuracy.</li><li>Assembled, disassembled, cleaned, calibrated, and inspected pumps to ensure optimal performance.</li></ul>

## EDUCATION

10/2023 - Present Hamburg, Germany	<b>Master of Science, Mechanical Engineering and Management</b>   <b>Technische Universität Hamburg</b> Focus: Robotics, Construction Robotics, Applied Design Methodology in Mechatronics, 3D Printing Research Project: Development of a ROS2 - Driven Drawing Simulator for a Painting Robot
08/2017 - 06/2021 Karnataka, India	<b>Bachelor of Engineering, Mechanical Engineering</b>   <b>Poojya Doddappa Appa College of Engineering</b> Bachelor's Thesis: Development of a Smart Walking Stick for the Visually Impaired People

## SKILLS

Programming	<ul style="list-style-type: none"><li>ROS 2 (Proficient)</li><li>Python (Proficient)</li></ul>	<ul style="list-style-type: none"><li>Java (Proficient)</li><li>C# (Intermediate)</li></ul>
Tools & Technologies	<ul style="list-style-type: none"><li>Microsoft Office/Office 365</li><li>3D Printing</li></ul>	<ul style="list-style-type: none"><li>Git / GitHub</li><li>SQL (Databases)</li></ul>
Soft Skills	<ul style="list-style-type: none"><li>Agile Project Management</li></ul>	<ul style="list-style-type: none"><li>Analytical Skills</li></ul>
Language Skills	<ul style="list-style-type: none"><li>English – Fluent(C1)</li></ul>	<ul style="list-style-type: none"><li>German – Proficient (B2)</li></ul>

## PROJECTS

10/2025 – Present	<b>Construction Robotics:</b> Quadruped Robot Dog Ensuring Safety Equipment Compliance on Construction Sites.
05/2025 – 11/2025	<b>Research Project:</b> Development of a ROS 2 Driven Drawing Simulator for a Painting Robot
04/2024 – 08/2024	<b>Applied Design Methodology in Mechatronics:</b> Development of a Robot that Non-Invasively Scans Soil for Foreign Objects Using Electrical Impedance Measurements

## CERTIFICATIONS

C & Embedded C	AutoCAD 2D for Mechanical Engineers	CATIA (Product Design Engineer)	Python – Udemy (ongoing)
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## HOBBIES

- Fitness Training
- Playing Football