



# 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

**Tutor for Construction Informatics**  
**Institute for Digital and Autonomous Construction**

- I teach **Java** in German to first-year bachelor's students at the Hamburg University of Technology.
- I teach the fundamentals of object-oriented programming and database management.

11/2024 - 06/2025  
Hamburg, Germany

**Tutor for Robotics / Student Research Assistant**

**V Robotia Robotics & VR**

- Taught **robotics**, **programming**, and **electronics** in German to students aged 5 to 19, promoting STEM skills.
- Development and optimization of robotic components using SolidWorks and 3D printing, ensuring precision and quality.
- Supported the project manager in organizing events for students and assisted them in developing **mobile robots**.

08/2021 - 02/2022  
Hamburg, Germany

**Graduate Engineer Intern**  
**Supreme Diesel Industry (Bosch), Kalaburagi, India**

- Performed detailed engine performance analyses using MS Excel to document key performance indicators such as brake power, fuel efficiency, and calibration accuracy.
- Assembled, disassembled, cleaned, calibrated, and inspected pumps to ensure optimal performance.

## EDUCATION

10/2023 - Present

**Master of Science, Mechanical Engineering and Management | Technische Universität Hamburg**  
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

**Bachelor of Engineering, Mechanical Engineering | Poojya Doddappa Appa College of Engineering**  
Bachelor's Thesis: Development of a Smart Walking Stick for the Visually Impaired People

## SKILLS

Programming

- ROS 2 (Proficient)
- Python (Proficient)
- Java (Proficient)
- C# (Intermediate)

Tools & Technologies

- Microsoft Office/Office 365
- Git / GitHub
- 3D Printing
- SQL (Databases)

Soft Skills

- Agile Project Management
- Analytical Skills

Language Skills

- English – Fluent(C1)
- German – Proficient (B2)

## PROJECTS

10/2025 – Present

**Construction Robotics:** Quadruped Robot Dog Ensuring Safety Equipment Compliance on Construction Sites.

05/2025 – 11/2025

**Research Project:** Development of a ROS 2 Driven Drawing Simulator for a Painting Robot

04/2024 – 08/2024

**Applied Design Methodology in Mechatronics:** 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)

## HOBBIES

- Fitness Training
- Playing Football