



# Tejas Murkute

Masters (Industry 4.0: Robotics and Automation), BTech (Mechanical)

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Address: Braunschweiger Street  
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Date of Birth : 25.Nov 2000

Study Visa : German Work Permit

Language : English | German (A2)

## WORK EXPERIENCE

10/2025 – Present

3 months

**Working Student** at Arcane Solutions GmbH & Co KG, Geisenhausen, Germany

- Working on simulation-based robotics and automation projects with a focus on robotic arm development.
- Developing a perception pipelines using ROS 2, Gazebo, OpenCV, and Python for vision-based manipulation.
- Troubleshooting ROS2, Ubuntu packages, and Python-based tools in a Linux environment
- Executing the project under industry mentorship in collaboration with a Germany-based technology startup.

04/2023 – 08/2024

1 Year 5 months

**Technical Analyst** at Goldman Sachs, Client- Infosys, Bangalore, India

*World-leading investment banking and financial services firm driving global markets, asset management, and technology innovation.*

- Designed and supported Prime Services risk technology applications as an L3 Developer.
- Delivered Tier-3 production support for margin reporting systems with strict SLA compliance.
- Automated operational workflows, reducing manual effort and incident response time.
- Implemented CI/CD pipelines using GitLab and enhanced deployment reliability.
- Monitored and optimized cloud systems using Prometheus and Grafana.

07/2022 – 08/2024

2 Years

**System Engineer** at Infosys, Pune, India

*Global IT consulting and digital transformation leader delivering enterprise-scale solutions to Fortune 500 clients worldwide*

- Completed 6-month intensive residential training at Infosys Mysore Campus in Open-Source Technologies.
- Gained hands-on experience in Python, Java, SQL, MySQL, PHP, Advanced PHP, Unix, HTML, and CSS.
- Planned and executed full-stack mini projects with backend database frontend integration.
- Implemented real-world application features with database-driven logic and UI components.

## EDUCATION

04/2025 – Present

9 Months

**Master Industry 4.0: Automation, Robotics & 3D Manufacturing**

SRH University, Germany

06/2018 – 04/2022

4 Years

**Bachelor of Technology- Mechanical Engineering**

Shivaji University, India

## PROJECTS

08/2025 – 11/2025

3 Months

**ROS2 Mobile Simulation with SLAM & Autonomous Navigation | ROS2, Gazebo, Nav2, Python, URDF**

- Designed a custom mobile robot and simulated a turtlebot3 in ROS2 using URDF/Xacro and Gazebo with sensor integration.
- Implemented SLAM and autonomous navigation using TurtleBot3 and the Nav2 stack for mapping and path planning.
- Controlled navigation tasks via Python using the Simple Commander API for autonomous obstacle-aware motion.

## CERTIFICATIONS

06/2023	<b>Database and SQL professional</b> Infosys
06/2023	<b>Java se 8 developer</b> Infosys

## SOFTWARE & SKILLS

**Languages:** Python, C++, Java, SQL, MATLAB

**Frameworks/Tools:** ROS2, MoveIt2, Gazebo, OpenCV

**Data & Research:** Computer Vision, Data Mining, SLAM, Autonomous Navigation, Simulation

**DevOps & VCS:** Git, GitHub, GitLab, CI/CD, Prometheus, Grafana

**Databases:** MySQL, SQL Server

**Platforms:** Linux/Unix, Windows

**Productivity:** MS Office