



CONTACT DETAILS

/mohammed-rashith-kp
 mohammedrashithkp@gmail.com
 +91 8129 766 999
 github.com/mohammedrashithkp
 Malappuram, Kerala, India
 mohammedrashithkp.github.io/

PERSONAL INFORMATION

DOB: **11-11-2001**
 Year of graduation: **2026**
 Languages: **English** (Professional), **Hindi** (Basic), **Malayalam** (Native), **Arabic** (Elementary)

SKILLS

- Project Management
- Asana, Taiga and Notion
- MS Office Tools
- Ros2 Python, Linux
- Fusion360, SolidWorks
- Ansys Mechanical, Mastercam
- Python, MATLAB, SQL

ADDITIONAL EDUCATION

Project Planning: Putting It All Together 2025
Google, Coursera.
Project Initiation: Starting a Successful Project 2024
Google, Coursera.
Foundations in Project Management| Google Coursera. 2024
Python for Everybody Specialization 2023
University of Michigan School of Information, Coursera.
MATLAB Onramp 2023
MathWorks
Simulink Onramp 2023
MathWorks
Stateflow Onramp 2024
MathWorks
Image Processing Onramp 2024
MathWorks

PROFILE

NIT Calicut Final Year Mechanical Engineering having **1 year experience** leading and collaborating teams, designing and analysing robotic mechanical designs, coding and debugging in **ROS2 (Python)** Seeking an entry-level role to apply and grow my skills in a collaborative, fast-paced environment.

EXPERIENCE

Technical Team member at Robotics Interest Group NITC 2023–2025

- ◊ Designed and tested robotic projects using software like **SolidWorks, Ansys and Fusion360**, meeting the deadline keeping the deliverables intact.
- ◊ **Projects:** Elephant Quadruped Robot and Fingerprint Attendance System.
- ◊ Volunteer: **Origo'23** Robotic Workshop, conducted for 200 NITC students
- ◊ Lecturer: **SERB KARYASHALA WORKSHOP** Taught Object Following Algorithm using OpenCv to Masters Students and Gave Hands-on Experience on Building miniature robotic car

Team leader at Mathworks Mini drone Competition 2024

- ◊ Led a team of 4 to secure **AIR 7** using effective project management and tools like Asana and Notion.

Team leader at Smart India Hackathon 2023

- ◊ **Lead a team of five** passionate hardworking members in SIH23 and **qualified Internal Hackathon** round through proper co-ordination, planning and teamwork.

Junior Marketing Executive at Tathva NITC 2023

- ◊ Collaborated with marketing and non-marketing teams to engage potential sponsors and deliver value at South India's leading tech festival, Tathva.

EDUCATION

B.Tech in Mechanical Engineering. NIT Calicut 2022–2026

- ◊ CGPA: 7.33, Activities: Made a miniature **Wind Tunnel** Model based on NASA Glenn Research Centre.

Higher Secondary Education. BYKVHSS Valavannur. 2018–2020

- ◊ Score: 1101/1200, Stream: PCMB, NSS Volunteer and Class Representative

Secondary Education. PKMMHSS Edarikode. 2018

- ◊ Scored A+ for All Subjects, Stream: State Syllabus, **NMMS Scholar 2015 (Top 500 in Kerala)**

PROJECTS

Deep Reinforcement Learning Model for Snake Game

- ◊ Made a Deep Reinforcement Learning Model in Pytorch which interacts with a simplified pygame environment and learns how to play classic Snake game

Content based Movie Recommendations Streamlit Web App

- ◊ Used Text Vectorization and NTL Library to make a python Streamlit app which can recommend movies based on your favorite movies

Elephant Quadruped Robot

- ◊ Performed Static structural Analysis in Ansys Mechanical and Kinematic Analysis in Matlab on Robotic leg

Fingerprint Attendance System

- ◊ Made an attendance system which can track the Work-Hours Requirement of the Robotic Interest Group by using Arduino code, Python (Streamlit, NumPy), SQL commands

Flask Interface for Docker Container Management

- ◊ Built a lightweight Flask app to manage containerized apps (start/stop/restart) on Azure, using Caddy as a reverse proxy, with a SourceHut-inspired design.