

RIZWAN SABIR KHAN

Mechanical Design Engineer | 3D Designer | Prototype Engineer

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Address: In Front of Khawaja Miya Darga, Ganesh Colony Road, Plot No. 7, Mitra Nagar, Jalgaon – 425001

PROFESSIONAL SUMMARY

Highly motivated Mechanical Design & Prototype Engineer with over 2 years of hands-on experience in mechanical design, 3D modelling, product development, and small-scale manufacturing. Skilled in designing functional models, operating advanced 3D printers, and executing R&D-based engineering projects. Strong ability to work in fast-paced, innovation-driven environments with a passion for learning new technologies.

WORK EXPERIENCE

Mechanical 3D Designer & Prototype Engineer – R&D Division

Currently Working

DJS Automate (Robotics)

Goa

- Designing robotic components and mechanisms using CAD software.
- Building prototypes using 3D printing and mechanical fabrication.
- Involved in R&D, testing, improvement, and finalizing designs.

Space Lab Design Engineer

6 Months

ESRO Magica Spacetech Pvt. Ltd.

- Designed ISRO & NASA small-scale models, from concept to final print.
- Prepared 3D models and executed manufacturing using 3D printers.
- Contributed to educational & demonstration models for aerospace learning.

Mechanical Design Engineer

1 Year 4 Months

Trackline Technology

Jalgaon

- Worked on railway equipment manufacturing projects.
- Designed components, assemblies, and fixtures using CAD tools.
- Collaborated with production teams for fabrication and installation.

EDUCATION

SSC

2013

Abhiman English Medium School

Pune

NCVT (ITI)

2020

Jamia Pvt ITI

Akkalkuwa, Nandurbar

PG Diploma – Product Design & Analysis

2023

ABC Software Trainings (MSME)

Jalgaon

TECHNICAL SKILLS

Mechanical & Prototype Skills: Mechanical assembly & fabrication, 3D printing operations, prototype development, electrical & wiring basics

Software Skills: AutoCAD, CATIA, SolidWorks, NX CAD, Cura Slicer, Bambu Studio Slicer

PROJECT HIGHLIGHTS

JCB Toy Model

Modified Car Spoiler

Child Safety Oven Lock

Spring Dibbering Machine Model (Engineering Project)

Car Mag Wheel Design

Man Backpack Umbrella Prototype

PERSONAL DETAILS

Full Name: Rizwan Sabir Khan

Date of Birth: 01-01-1997

Gender: Male

Marital Status: Married

Languages: English, Hindi, Marathi

Interests: Travelling, Learning New Technologies