



PRAJWAL PRADEEP AGARWAL

B.Tech. - Mechanical Engineering
- MITAOE

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BRIEF OVERVIEW / CAREER OBJECTIVE / SUMMARY

To be a part of a progressive and dynamic organization and to utilize my knowledge and skills in a team environment contributing to the successful achievement of corporate goals and personnel objectives, seeking to take next career step with a respected organization focused on creating world-class hospitality and living spaces.

KEY EXPERTISE / SKILLS

Python Beginner SQL Beginner Presentation skills Team Leadership Team Management 3D Modelling Product Design
MS Office SolidWorks CATIA

EDUCATION

Savitribai Phule Pune University

2019 - 2023

B.Tech. - Mechanical Engineering - MITAOE | CGPA: 8.80 / 10.00

Sharad Institute of Polytechnic, Ichalkaranji

2020

Diploma | Diploma - Mechanical Engineering | MSBTE | Percentage: 92.51 / 100.00

Marathi Medium High School, Ichalkaranji

2017

10th | MSBSHSE | Percentage: 92.00 / 100.00

AWARDS AND SCHOLARSHIPS

- 'All India Rank 19' In overall Performance and 'All India Rank 14' in virtual Dynamic at 'SAE M-BAJA' 2022 in M-BAJA Event organized by SAE (Society of Automotive) and ARAI (Automotive Research Association) 2022 at Indore, Madhya Pradesh.

INTERNSHIPS

Team Niyudrath Racing

Aug. 15, 2021 - Jan. 15, 2023

Rollcage Departmental Head

Key Skills:

Team Management Teamwork Design Modal Analysis Additive Manufacturing Design for Manufacturing
Manufacturing Techniques

Ved Industry

June 7, 2022 - July 6, 2022

New product developer

Key Skills: Product Design New Product development Manufacturing Cost Control Quality Assurance

RR Metacraft

June 15, 2021 - Aug. 15, 2021

Design Engineer

Key Skills: 3D Modeling Product Design 3D Printing Additive Manufacturing Modal Analysis

General Machine Tool

May 11, 2019 - June 22, 2019

Project developer

Key Skills: Manufacturing Processes Development Product Design Cost Control Time Study Process Control

Raj Rajeshwari Founders

May 5, 2017 - June 30, 2017

Quality Inspector

Key Skills: Quality Assurance Quality Control Drawing

PROJECTS

Design, Analysis and Manufacturing of Electro-spun Nanofiber Mask for Virus Protection/ Pollution Protection/ Automobile Paint Shops Aug. 14, 2021 - May 30, 2022

Team Size: 4

Key Skills: Manufacturing Processes Nanotechnology

In this project we have studied and implemented electro spinning technology and manufactured nanofiber mat to protect from various various and various other applications like mechanical paint shops and many more

Design And Analysis of PLA And ABS Sandwiched Plastic Using Industrial Epoxy Adhesive Aug. 15, 2020 - May 10, 2021

Team Size: 4

Key Skills: Material Selection Additive Manufacturing

Using Fused Deposition modelling, two material specimens are manufactured which are PLA and ABS. then they are tested with sandwiched specimen using epoxy adhesive. Testing and comparisons are carried out on Tensile testing properties.

Experimental Analysis of Mechanical Properties of PETG Material, 3D Printing using Fused Deposition Modelling Technique. June 15, 2019 - May 15, 2020

Team Size: 4

Key Skills: Additive Manufacturing Material Selection Testing

Fused Deposition Modelling which is most used additive manufacturing process is used for manufacturing models using ASTM D638 standard tensile testing specimen dimensions and mechanical properties of materials are studied.

PUBLICATIONS / RESEARCH / WHITE PAPERS

Experimental Analysis of Mechanical properties of PETG Material 3D Printed Material by Using Fused Deposition Modelling Technique May 2020

Additive Manufacturing and Material Testing | MAT Journals

Key Skills: Additive Manufacturing 3D Printing Material Selection Testing

In this study Fused deposition modelling process is used to for manufacturing. Taguchi's L9 orthogonal array is used to reduce number of specimens of variations in material pattern, Infill percentage and deposition angle. Testing is carried out on surface roughness and tensile testing.

ACHIEVEMENTS

- Academic Topper of Mechanical department of Sharad Institute of Polytechnic
- Participated at International Level Paper presentation competition organized by MSBTE at Pune.
- First Price in Technical Paper Presentation competition at Sharad Institute of Polytechnic.

CO-CURRICULAR ACTIVITIES

- Department leader and senior member of Official Autosport club of MIT academic of Engineering.
- Member of Society of Automotive Engineers India
- Ex-President of Student association of Mechanical Department at Sharad Institute Kolhapur

EXTRA CURRICULAR ACTIVITIES

- Winner of Annual Sports in Table Tennis At Sharad Institute of Polytechnic

PERSONAL INTERESTS / HOBBIES

- To play Table Tennis
- Curious about Recent trades and new gadgets .

PERSONAL DETAILS

Gender: Male

Marital Status: Unmarried

Current Address: Flat No 305, Indrayani Hills, Pune, Maharashtra, India - 412105

Emails: prajwal.agarwal@mitaoe.ac.in , prajwalagarwaln07@gmail.com

Date of Birth: May 3, 2001

Known Languages: English, Hindi, Marathi

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