

Rupesh Pillai

B.E. Mechanical Engineer

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OBJECTIVE

I would like to associate with an organization, which gives me an opportunity to explore my talent in the areas of design, analysis, quality, Testing and such areas of mechanical with continuous learning for self and development of the organization.

WORK EXPERIENCE

Automation and Tooling Design Engineer

MechDesign - Mumbai (February 2019 – Present)

Designing of Tooling for Vibration Welding, Hot Plate Welding, Ultrasonic Welding and Automation SPM. Preparation of BOM, Manufacturing and assembly drawing.

Design Engineer

SJP Ultrasonics Pvt. Ltd, Mumbai (February 2016 – November 2018)

Designing of Tooling for Vibration Welding, Hot Plate Welding, Ultrasonic Welding and Automation SPM. Preparation of BOM, Manufacturing and assembly drawing.

Trainee Engineer

ASPEE Group of Companies, Mumbai (May 2014 – Apr 2015)

Designing of Product in AutoCAD, Unigraphics NX, SolidWorks, Performance testing of 2/4 Stroke Engine and Pump, Generating and Analyzing Testing Data for further development of Product, Preparation of Technical Papers, ISI Paperwork and Studies, and Customer Support.

Trainee Maintenance Engineer

Rashtriya Chemicals and Fertilizers Ltd., Mumbai (Jul 2013 – Aug 2013)

Completed an Internship in “STEAM GENERATION AND WATER TREATMENT PLANT” for a period of one Month. Study the process of Water Treatment and Steam Generation.

EDUCATION

B.E in Mechanical Engineering (2009-2013)

Rizvi College of Engineering, Mumbai
Grade-First Class with Distinction (Aggregate-70%).

HSC Science-Biology (2007-2009)

Vidya Vikasini Junior College, Mumbai
Grade-First Class with Distinction (79%)

PROJECT

Vertical Axis Wind cum Hydraulic Turbine: Vertical Axis Wind Cum Hydraulic Turbine: This Turbine is More Efficient and Require Less Maintenance as compare to Horizontal Axis Turbine. It can Generate Energy from both Wind and Hydraulic Source.

Horizontal Piston Pumps: Done Performance Testing of Various Pumps and Generating various graphs based on testing data for better understanding and comparison of Product.

XYZ Cartesian Robot for Door trim SPM: Design XYZ Cartesian Robot SPM for TATA X451 Door trim Project with interchangeable cassette facility.

Automation File Folding SPM: Design of File Folding Automation machine with complete Pick and Place feature.

Hot Plate Welding SPM: Design of Complete Pneumatic operated Hot plate Machine SPM for lighting, Filter, and various other application.

Hot Plate Welding SPM and Tool: Design of Complete Pneumatic operated Hot plate Machine SPM and Tool for IP – Duct welding application.

Multi Head Ultrasonic Welding SPM: Design of Complete Multi Head Ultrasonic welding SPM for IP reveting welding.

Low Frequency Vibration welding tool: Design of Complete Low Frequency vibration welding tool for IP with Airbag and Air Duct welding (Tesla Model S car).

Unigraphics NX 12, MS Office

English, Hindi, Tamil

SKILLS

LANGUAGES