

Brighu Garg

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[LinkedIn Profile](#) | [GitHub Profile](#)

Professional Summary

Mechanical Engineer with 10+ years in Automating manufacturing processes and Maintaining Injection Moulding machines. Skilled in MS Excel, VBA, Power BI, SQL, and Python, with a focus on streamlining processes, creating dashboards, and driving data-driven decisions. Proven ability to enhance efficiency and reduce errors through automation and effective vendor management.

SKILLS

Process Automation | Maintenance of Injection Molding & SPM machines | MS-Excel | Macros & VBA | Power BI | MySQL | Python | NumPy | Pandas | Matplotlib | Seaborn | Dashboard | Tableau | Bifrost | Hardworking | Team Player | Leadership Skills | RCA

PROFESSIONAL EXPERIENCE

Flipkart-MYNTRA

Process Automation Manager

Gurgaon

August 2020 - Present

- Automated the manual inward receiving process using SPMs like Print & Apply Machines (PAM) and Auto Quality Check Machines (AQC) from scratch, using Special Purpose Machines (SPMs) based on operational data analysis, resulting in improved IPP and process hygiene.
- Automated the manual outward quality check and packing process using SPMs like AQC-Outwards and Auto-Packer Machines (AP), based on operational data analysis, resulting in enhanced IPP and improved process hygiene.
- Managed preventive and breakdown maintenance for various SPM machines, monitored MTTR and MTBF, performed root cause analysis, and oversaw new installations.

UBE Machinery India Pvt. Ltd. (UMHI)

Service Engineer

Gurgaon

June 2018 – August 2020

- Installation of New machines (Injection Moulding & Die Casting Machines)
- Maintained and installed Injection Molding and Die Casting machines (UBE & Mitsubishi).
- Conducted preventive maintenance and responded to breakdowns at customer sites.

Sun Vacuum Formers Pvt. Ltd.

Maintenance Engineer of Plastic Injection Moulding Plant

IMT Manesar

Nov. 2017- June 2018

- Performed preventive and breakdown maintenance on Injection Molding Machines (50 to 1100 Ton capacity) and their auxiliaries.
- Installation of New machines (Injection Moulding)
- Monitored conditions daily, and reported abnormalities.
- Collected failure data to prevent recurrence during maintenance.

Omnik Limited

Maintenance Engineer of Blown Film Plant

Nigeria

Oct. 2016- Feb. 2017

- Maintained Blown Film Extrusion Machines, minimized breakdowns, and managed maintenance documentation.

Takahata Precision India Limited

Plant Maintenance Engineer of Plastic Injection Moulding

Neemrana, Rajasthan

May 2016- Oct. 2016

- Maintained Plastic Injection Moulding Machines (50 to 1100 Ton) and SPMs.
- Conducted preventive and breakdown maintenance
- Installed new machines, and monitored conditions daily.
- Reported abnormalities and analyzed failures to prevent recurrence.

The Supreme Industries Limited
Preventive Maintenance Engineer

Khuskhera, Rajasthan
Sep. 2013-April 2016

- Maintained Plastic Injection Moulding Machines (50 to 1100 Ton) and SPMs, including preventive and breakdown maintenance.
- Installed new machines.
- Monitored daily conditions, reported abnormalities, and analyzed failures to prevent recurrence.
- Conducted energy consumption analysis with data monitoring.

INTERNSHIP

The Supreme Industries Limited
Preventive Maintenance Engineer

Khuskhera, Rajasthan
Dec. 2012- June 2013

- Implemented and sustained preventive maintenance for Plastic Injection Moulding Machines.

PROJECTS

Pursuing Business and Data Analysis at Hero Vired

Jan'24 – Present

Descriptive Statistics with Python on Bank Personal Loan Dataset

Analysed the "Bank Personal Loan" dataset using Python. Applied advanced Python functions, statistical logic, and visualizations to derive and present key insights.

Tool used: Python | NumPy | Pandas | Matplotlib | Seaborn

SQL Data Analysis and Visualization with Power BI for FDA

Enhance public health by ensuring the safety and effectiveness of a variety of products and substances. Utilized MySQL queries for data retrieval and Power BI for visualization to support decision-making and reporting.

Tools used: MySQL | Power BI.

Analysis of Airbnb Data Using Power BI

Analyze Airbnb data to uncover insights into user experiences and satisfaction with listed stays, utilizing Power BI for data visualization and analysis.

Tools used: Power BI

Analysis of Customer Service Data using Microsoft Excel

Utilize data-driven methods to optimize customer service processes, enhance customer experience, and drive business growth. Analyzed historical customer service data to identify patterns and trends, using MS Excel with dashboards to improve customer loyalty and operational efficiency.

Tool used: MS Excel.

CERTIFICATION

Hero Vired

Jan'2024 -Present

Data Analyst course of Accelerated Program in Business & Data Analyst.

EDUCATION

Shaheed Bhagat Singh State Technical Campus

Ferozepur, Punjab

B. Tech (Mechanical Engineering)

2009 - 2013

74%.