PRITAM SINGH NEGI

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📍 Noida, India

⚡ PRO SKILLS

Project Lead (Independently)

Product Development(APQP)

Product Design(Machines,Tools)

Customer Handling

Presentations & Trainings

💬 LANGUAGES

HINDI (Native)
★ ★ ★ ★ ★ ★ ★

ENGLISH
★ ★ ★ ★ ★ ★ ☆

GERMAN (B1)
★ ★ ★ ★ ☆ ☆ ☆

POLISH (Basic)
★ ★ ★ ☆ ☆ ☆ ☆

Personal Info

Mechanical Engineer

A self-motivated, creative, and enthusiastic person with strong affinity towards on working in technology domain.

QUICK FACTS

150+	**07**	**40+**	**100+**
Company Visited	Years of experience	Training Delivered	Projects completed

🎓 ACADEMIC BACKGROUND

OCT 18 - SEP 20
Master's Degree in Production Engineering
Warsaw University of Technology, 90%
Warsaw, Poland

AUG- 08 JUN- 12
Bachelor's Degree in Mechanical Engineering
Uttarakhand Technical University, 69.3 %
Dehradun, India

FEB-20 AUG-20
Master Thesis (5/5)
Process Improvement of manufactring process using Machine Learning (Artificial Intelligence)

💼 PROFESSIONAL BACKGROUND

Jan 2021 - Present
Manager Product Development
Colearners , New Delhi, India
Colearners is well known edutech firm in content development for educational boards and companies.
Duties and Responsibilities:
- Team lead of 3 different domains.
- Managing the projects.
- Product planing and execution as per plan.
- Ensuring on time delivery of product.
- Customer handling.

Aug 2019 - Dec 2019
Project Coordinator
Virginic LLC , Warsaw PL, Europe
Viginic LLC is a fast growing FMCG Private Label Supplier Based in California USA. They also have offfice in Warsaw Poland.
Duties and Responsibilities:
- Managing company Ecommerce Portal.
- Managing Trainees.
- Ordering and exploring vendors from south asian nations
- Product Label and Packaging Design.
- Coordinating with team USA regarding Raw material & Machines.

Jan 2017 - July 2018
Senior Design Engineer
Adroitec Engineering Solutions Private Limited, Noida, India
Adroitec Engineering Solution is a Leading Engineering Consulting firm.
Duties and Responsibilities:
- Handling independently 150+ Customers concerns related to PTC Creo.
- Delivering Presentations and trainings in Organisations.
- Developement of Prototypes using Additive Manufacturing.
- Design and development of engineering projects by customers.

Feb 2014 - Jan 2017
Design Engineer
Motherson Sumi Systems Limited , (Engineering Center) Noida, India
Motherson sumi is India's Leading and biggest auto ancillary with 300+ Plants across globe. MSSL primary produce automotive wiring harness.
Duties and Responsibilities:
- Worked in MSSL Centralized Engineering Centre.

SOFTWARE SKILLS

7 Years	**3 Years**
Creo Parametric	Solid Edge
3 Years	**6 Months**
Auto CAD	NX
Advance	**1 year**
Ms Office	Photoshop
6 Months	**2 Years**
Machine Learning	Premiere
6 Months	**1 Year**
KeyShot	Math CAD
3 Years	**6 Months**
Word press	Python & R Studio
6 Months	**1 Year**
React JS	VB.net

- Design,Development,Validation,Installation and Commisioning of Special Purpose Machines and their related manuals and documentation.
- Design of precision machines parts,Jigs, Fixtures,Testing rigs, Machines for wiring harness.
- Design of Terminal bending tools, Terminal removal tools , for Connectors and defing their operating procedures.

Jul 2012 - Feb 2014 ● GET , Engineer(New Product Development)
JBM Limited (NMPL-10), Pantnagar, India
JBM Group is India's Leading and one of biggest auto ancillary & OEM with 100+ Plants across globe. NMPL-10 primary produce Sheet Metal and tubular components for automotive OEMs.

Duties and Responsibilities:
- Development of process and products (APQP 5 Phases).
- Creation of BOM and Engineering Change Note.
- Maintaining all APQP documents Including (PPAP 3Level).
- Fitment Trails at customer end & Tool trails at vendor end.
- Design and Development of tooling of related new product.

PROJECTS

● **Adroitec Engineering Solutions Private Limited, Noida, India**

- Delivered presentation and training on more than 30 Companies some known are Bharat Petroleum R&D Centre, Bharat Heavy Electricals Limited , Escorts Limited , Mahindra Swaraj R&D Centre, Shri Ram Piston R&D Centre, Orient Electric, Five Steins India pvt limited, Minda, Hero Ecotech.
- 10 + Prototypes made with Additive Manufacturing SLA,SLS,FDM.

● **Motherson Sumi Systems Limited , (Engineering Center) Noida, India**

- Designed & developed 20+ SPM using Creo part, Assembly & Detailing.
- Designed Crimping tools (Applicators) of tonnage 2T,4T & 8Tons.
- Designed & Developed 50+ Precision Machine Parts and localized several components.
- Designed & Developed 50+ Hand Tools (Terminal Bending, Connector Removal) for Indian & Overseas plants of MSSL.
- Designed & Developed 20+ Test Rigs (Door open-closed, Thermal Shock, Vibration test) for QA testing and simulation of wiring harness. several components.

● **JBM Limited (NMPL-10), Pantnagar, India**

- 10+ Automotive component designed, developed, Participation in whole APQP process from RFQ , product costing, product, and tooling development, PPAP Sign off from customer to Handover to production for TATA, Ashok Leyland, Mahindra, Bajaj and Many Others.
- Designed & Developed 8+ BIW Welding Fixtures, and panel checkers
- Creation and maintaning engineering documents of product (PPAP Level 3).

● **Master Thesis (Improving Manufacturing Process using Artificial Intelligence)**

Subject - Data driven modelling of manufacturing processes with unbalanced discrete outputs

- Build a machine learning model to i mprov e prediction accuracy and to minimize defect of ADI (Austempered Ductile Iron with highly imbalanced data 14 inputs and 4 output class variables.
- Build a machine learning model to Improv e prediction accuracy minimize the defect in leakage test of HDPC (High Pressure die casting) considering 56 variables and 4 classes a nd another one with 11 important variables and 4 classes..

Algorithm used: Classification and Regression Trees, Artificial Neural Neworks , Support Vector Machine, Boosted Trees,Random Forest .
Sampling technique :- Conventional and Synthetic Minority oversampling technique

AWARDS & ACHIEVEMENTS

- Receive Motherson innovation award for designing and developing Pretensioner harness assembly and testing machine. Built at 1/15 cost the machine saved 1.5 Crore being installed 6 locations, in just 2 months.
- Localised and mass produced several machines that saved millions of dollars at MSSL.