

PRITAM SINGH NEGI

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PROFILE

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

EDUCATION

Masters	Global Production Engineering & Management
01 st Oct 18 – Present	Warsaw University of Technology, Warsaw, Poland
Thesis	<p>Data-driven modelling of manufacturing processes with unbalanced discrete outputs (Machine Learning).</p> <ul style="list-style-type: none">Build a machine learning model to improve 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 Improve prediction accuracy minimize the defect in leakage test of HDPC (High Pressure die casting) considering 56 variables and 4 classes and another one with 11 important variables and 4 classes. <p>Algorithm used C&RT, ANN, SVM, Decision and Boosted Trees. Sampling technique SMOTE.</p>
Bachelors	Bachelor's in Mechanical Engineering
1 st Aug 08 – 30 th June 12	Uttarakhand Technical University, Dehradun, India

WORK EXPERIENCE

Senior Design Engineer Adroitec Engineering Solutions Pvt. Limited (Noida)
27th Jan 17 – 10th July 18

Profile:

- Design and development of Machines.
- Rapid Prototyping with SLA, SLS, FDM type Printers
- Conducting Trainings on PTC Creo Parametric

Projects: ENVIRONMENT Pro-E - Creo 6.0

- Efficiently designed & developed Horizontal & Vertical Push Pull Gauge for wiring Harness for APTIV.
- Efficiently designed 24 Ton Power Press for Delphi Automotive Systems Private Limited (APTIV)
- Delivered Training on more than 30 Companies some known are Bharat Petroleum R&D Centre, Escorts, Mahindra Swaraj R&D Centre, Mahindra & Mitsubishi India, Shri Ram Piston R&D Centre, Orient Electric, Five Steins India pvt limited, Minda, Hero Ecotech .

Design Engineer Motherson Sumi Systems Limited (Noida)
10th Feb 14 – 24th Jan 17

Profile:

- Worked in MSSL Centralized Engineering Centre.
- Design, Development, Validation, Installation and Commissioning of Special Purpose Machines and their related manuals, and documentation.



Personal Information

Date of Birth – 05th July 92
Country – India

Languages

English – C1
German – B1
Hindi & Garhwali – Native
Polish – Elementary proficiency

Skills

CAD

AutoCAD (Medium)
Catia V5 (Basic)
Creo Parametric (Expert)
Key Shot (Medium)
PTC Mathcad (Medium)
Solid Edge (Advance)
Solid Works (Basic)
Unigraphics (NX) (Basic)

OFFICE

Microsoft Office (Medium)
SAP project System (Basic)
Adobe Photoshop (Medium)
Adobe Premiere Pro (Medium)
Adobe Spark (Medium)
WordPress and Shopify (Advance)

- Design of precision machined parts, Jigs, Fixtures, Testing rigs for wiring harness.
- Design of Terminal bending tools, terminal removal tools.

Projects: ENVIRONMENT Creo 2.0, Solid Edge ST2, AutoCAD

- Efficiently designed & developed 20+ SPM using Creo part, Assembly & Detailing.
- Efficiently designed Crimping tools (Applicators) of tonnage 2T,4T & 8T.
- Efficiently Design & Developed 50+ Precision Machine Parts and localized several components.
- Efficiently Design & Developed 50+ Hand Tools for Indian & Overseas plants of MSSL.
- Efficiently Designed 15+ Wire Harness Simulation testing fixtures for MSIL, HONDA, PACCAR

MAJOR MACHINE/TOOLS DESIGNED & DEVELOPED

- Pretensioner Harness Assembling & Testing Machine FOR SRS Pretensioner Wiring Harness for MSIL, M&M.
- Hot Stacker Machine for coalescence of Carbon Nanotubes with copper conductors project for Audi A8.
- Automatic bad Crimp Cutter to cut wrong terminals more than 100 implemented.
- Modular Applicator design and development.
- Mechanical Design of High Frequency Welding Machine.
- Design of Automatic wire cut, crimp, strip, and seal insertion machine.
- Design of 2T,4T, 8T,16T Power Press Machine.

Product Development Engineer JBM Limited (Pant Nagar)

2nd Jul 12 – 08th Feb 14

Profile:

- Development of process and products.
- Creation and ECN in BOM of Assembly.
- Component feasibility study and costing with Business Development Executive.
- Creation and maintaining all Engineering documents (PPAP, APQP docs, FMEA, SOP).
- Fitment trial at customer end & Tool trial at vendor end.

Projects: (Automotive Sheetmetal Assemblies and Cross members.

- 10+ Automotive component designed, developed, Participation in whole APQP process from RFQ, product costing, approval, product, and tooling development, PPAP Sign off from customer to Handover to production for TATA, Ashok Leyland.
- Creation and maintaining Engineering documents of Product (PPAP level 3)
- Designed & Developed of 8+ NOS welding fixture, Press tools Inhouse.

Others Works

- Worked as a project coordinator in an American start-up ParamountLabs77 for 4 months while pursuing master's during summer holidays in Warsaw Europe, the task includes.
 - Making of Shopify Website
 - Helping and guiding trainees
 - Designing Product labels in Photo shop.
- Worked as part time designer and consultant in SME for 1.5 years to help them in buying new asset machines tools, and designing machines based on their requirement – Saraswati tools India. The Company Manufacture precision machined parts and component which were being exported to USA.

Achievement & Awards

- Receive innovation award for designing and developing Pretensioner harness assembly and testing machine. This machine also saves millions and being installed in multiple locations.
- Completed Certification of PTC Creo Parametric in PTC University

PROGRAMMING & WEB

C, C++, Python, V.B., SQL (Basic)

Unity & Vuforia for AR (Basic)

React JS & Redux (Basic)

Python for ML & R studio (Basic)

Web Projects

REACT JS & WORDPRESS

<https://technoholicplus.com> (Blog)

<https://uktours.in>

<https://pahadibook.com>

<https://my-first-react.netlify.app>

<https://youtube.com/c/technoholicplus>