# 

GAGANPREET SINGH

PUNJAB TECHNICAL UNIVERSITY

Mechanical Engineering

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**Objective**  
To work in a challenging environment and endeavour to improve my technical and leadership skills while augmenting my expertise and gaining valuable experience.

**Educational Qualifications**

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| --- | --- | --- | --- |
| **Year** | **Qualification** | **Board/ University** | **CGPA/MARKS (%)** |
| 2015-2017 | M.tech (CAD/CAM) | MRSTU | 71% |
| 2011-2015 | B.Tech (Mechanical Engineering) | Punjabi Technical University | 70% |
| 2011 | 12th | CBSE | 64.0% |
| 2009 | 10th | CBSE | 75.0% |

**Profile Summary**

* Made Design failure mode and effect analysis (DFMEA) sheets for Implements.
* Involvement in core designing of the Implements like Rotavator, Cultivator, Seed Planter, Potato Planter, Potato Harvester, MB Plough, Ridger, Bund Maker, Cage Wheels etc.
* Achieved the Pat on back award for maintaining positive working environment.
* Preparing 3D Casting models as well as Machining models of Tractor Attachment assembly**.**
* Worked with a team on the Designs of **Components** used in several Agricultural machines.
* Prepared First Article Inspection (F.A.I) Reports for several clients, which are used for inspection purposes.
* Always got appreciated by my project manager for understanding the technical requirements of client which enhances the output.

**Experience**

* Presently working (from 18th June 2019) at Swaraj R&D Mohali as Design Engineer Experience of 3 Year (Working with Unigraphics NX).
* Experience of 10 months from 1st June 2017 to 31st march 2018 at SGTB Khalsa college community radio as a Radio Studio Technician which includes recording and scheduling of the content of the radio station.
* Working as freelancer for Green Glass Windows and Doors(Part-time).

**Projects Handled &Achievements @Swaraj RnD-Tractor Division**

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* Preparing 3D Casting models as well as Machining models of Tractor Attachment assembly.
* Worked with a team on the Designs of Components used in several Agricultural machines.
* Prepared First Article Inspection (F.A.I) Reports for several clients, which are used for inspection purposes.
* Always got appreciated by my project manager for understanding the technical requirements of client which enhances the output.
* Created Specification sheet for Different implements For Government Approval.

**Academic Projects**

* Study And Implementation of TPM On Special Purpose Machines
* Study And Implementation of SPC
* Designing and Prepare a Multi Hacksaw Machine.
* Designing and make a model of Power Generating Speed Breaker.
* Line following robot using Arduino uno.
* Participation in international conference.

**Technical Skill**

* 3D Modelling and 2D drafting in NX 11.
* Designing the Implements using Indian Standards and Readily available material in the market.
* 2D Drafting and designing of models in a way that completes the need of part for manufacturing processes.
* After manufacturing, Part Verification according to design and betterment of part in testing field to get better results for more lifecycles.
* Cost Reduction Effort (CRE) in Designed components to make it more profitable to the company.
* Basic Knowledge of TPM and worked on JH Pillar and KK Pillar of the TPM.
* Basic Knowledge of 5S and know how to get these implemented on line side.
* Basic Knowledge of the Metrology Instrument like Vernier Calliper, Height Gauge & Micrometre etc. and know how to use them and handle them with proper care.
* Knowledge of CAD/CAM Software (SolidWorks , Auto Cad )
* Basic Knowledge of C & C++ Programming.
* Good Knowledge of GD&T.
* Multiple software knowledge.
* Complex drawing reading skills

**Personal qualities**

* Ability to work independently as well as in a team.
* Good oral and written Communication.
* Quick Learner, Confident, Punctual & Hard worker.

**Personal Details**

* Gender : Male
* Date of Birth : 31st January 1993
* Languages known : English, Hindi, Punjabi
* Address : HE-315 Phase- 5 Mohali , Punjab, PIN 160059
* Father’s name : Charanjit Singh
* Mother’s name : Harinder Kaur
* Citizenship : Indian
* Marital status : Single

**Declaration**

I, hereby, declare that the information given above is true to the best of my knowledge and belief.

Gaganpreet Singh

Date: Place: