

CHIRAG PALADIYA

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Objective : Applying for the opportunity provided by Red Seal Recruiting Solutions Ltd. to work as a **Fixture Builder**.

HIGHLIGHTS OF QUALIFICATION (*Links attached here will direct you to the relevant document)

- ✓ Recent grad with over a year of proven professional experience in manufacturing and construction industry as an engineer.
- ✓ Certified SolidWorks Professional ([CSWP-issued June 2019](#)) with hands on experience in 3D design, simulation and drawing drafting using 3D modeling software like Solidworks, AutoCAD, Inventor and FEA analysis using Ansys.
- ✓ Completed certified professional training on the application of [GD&T- ASME Y14.5 2009](#). Experienced in reading engineering drawings - P&IDs and PFDs.
- ✓ Positive, detail-oriented and responsible individual with superior communication and organizational skills mastered as an engineer, a teaching assistant and a design team leader of national award winning SAE student formula team.

FORMAL EDUCATION - [Link to the transcripts](#)

MASc - Mechanical Engineering

Sep 2017 to Dec 2018

University of Ontario Institute of Technology (UOIT), Oshawa, ON

➔ Average grade: 4.2/4.3

B.Tech - Mechanical Engineering

May 2010 to May 2014

Charotar University of Science and Technology, Gujarat, India

➔ Average grade: 8.06/10

PROFESSIONAL EXPERIENCE

Co-op Project Controls Engineer

May 2017 to Aug 2017

Lorneville Mechanical Contractors, Saint John, NB

Recruited for project controls, document management and quality test planning for 'Irving Refinery Tier 3 Module' manufacturing project.

- My critical thinking abilities enabled me to successfully develop a document tracking and control system with the help of supervisor to handle multi-million dollar refinery module manufacturing project.
- Read P&IDs (Piping and Instrumentation Diagrams) / PFDs (Pre-Fabrication Drawings) and used Inventor View & AutoCAD to create hydro-packs for quality testing of extremely large and complex piping systems which required utmost attention to details.
- With effective communication and participation, I contributed in planning resources for the project along with regular meetings, interactions with the clients and sub-vendors on a daily basis.
- Formulated optimized MS Excel templates for better tracking of documents and whenever required, performed material take offs & cost estimation.

Engineer : Production

Sep 2014 to Jan 2016

Tega Industries (SEZ) Ltd., Gujarat, India

Recruited for development of new concepts of machines, mining accessories and to improve the overall production efficiency along with efficient quality control. - [Link to the design work samples -3D PDFs](#)

- With multi-tasking abilities in a fast paced team environment, I designed and drafted fabrication drawings for chutes, manhole covers, mills and equipment for material handling within a strict time frame.
- Upon discovering an opportunity, with minimum supervision, I took an initiative to develop design concept for much safer and cost-effective rubber-pump manipulator which later approved by the technical experts of company.
- Developed programs using iLogic in Inventor to partially automate the design of chute manhole covers and 3D assembly of various types of mills; reducing lead time and errors caused by fatigue nature of the drafting process.
- Under pressure, I performed responsible tasks of quality inspection of critical systems such as chutes and other mining accessories which are installed successfully in various mining locations around the globe.

SIGNIFICANT ACADEMIC PROJECTS

SUPRA SAE India student formula car competition – [Link](#)

May 2013 to May 2014

- Positive attitude, multi tasking abilities and decent organizational skills helped me successfully lead and manage a team of three engineering students to facilitate engineering design of student formula race car.
- With a strong background of engineering fundamentals and principles, I designed and manufactured light weight suspension system, car body, knuckle and rocker arm for the SAE Supra car which performed as expected.

GRADUATE TEACHING ASSISTANT & VOLUNTEER EXPERIENCE

Graduate Teaching Assistant

Sep 2017 to Dec 2018

University of Ontario Institute of Technology

- With abilities to communicate complex technical ideas effectively, taught technical courses - Thermo-Mechanical Processing of Materials and Solid Mechanics II to the group of up to 25 third year engineering students.

President

Sep 2018 to Dec 2018

Society of Tribologists and Lubrication Engineers @ UOIT, UOIT, Oshawa, ON

- Under minimum supervision of my research supervisor, I took an Initiative to start a new chapter of Society of Tribologists and Lubrication Engineers at UOIT and successfully recruited 45+ students.
- Planned promotional strategies and events to recruit more members for the growth of the club and to provide students with a platform to develop professional/academic network. The club held its first event on 12th March'19.