Amit Kumbhar

Dynamic Mechanical Engineer: Accomplished in Design Engineering, CAD Modelling, & Embracing Diverse Engineering Disciplines. Committed to Excellence, Open to New Challenges, and Focused on Delivering Superior Solutions.

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Core Competencies

CAD Tools	: *AutoCAD, SolidWorks, Inventor, Creo, Catia*
Mechanical Design	: *NPD, Sheet Metal Design, DFA, DFM*
Programming Skills	: *C++, Python, Python MongoDB, My SQL*
Office Tools	: *MS Word, MS Excel, MS PowerPoint, MS Outlook*
Interpersonal Qualities	: *Problem Solving, Adaptability, Communication*

Professional Experience

Hi-Tech Digital Solutions LLP | Ahmedabad — Oct 2021 – Present

An Integrated Engineering Consulting & BPS organization specializing in process improvement & Optimization.

Designer – Engineering Solutions Division

- Responsible for handling Client communication for different 3D-CAD Modeling and Drafting projects.
- Understand customer needs and provide situation-specific solutions, comprising CAD models, drawings etc.
- Prepare B.O.M., Hardware list and other supporting docs as per client's requirement.
- Create iLogic Rules for to automate the design for the range of products.
- Projects & products worked on: Sustainable Balconies, Furniture & Machine Components
- Tools used for 3D Modeling, Drafting and B.O.M. Preparation: **AutoCAD, SolidWorks, Inventor & M.S. Excel.**

Spacewood Furnishers Pvt. Ltd. | Nagpur — Aug 2019 – Oct 2021

A leading premium brand and manufacturer of Modular Furniture.

GAT (Design Dept.) [Jul-2020] → **Senior Officer (Design Dept.)** [Jun-2021] → **Executive (Design Dept.)** [Oct-2021]

- Design & develop new as well as customize the existing products (Furniture) according to the customer or tender requirements along with its 3D model & Production / shop fabrication drawings. Also assist in a production process planning of the newly designed products.
- Prepare B.O.M. & Hardware list for planning, procurement & costing purpose. And AGL for installation staff & end user.
- Devise logics to generalize the products for a range of customization, calculation of RM etc.
- Tools used for 3D Modeling, Drafting and B.O.M. Preparation: **AutoCAD, SolidWorks, Creo, M.S. Excel, & Infor Ming.le.**

Academics

B.E. (Mechanical Engg.)	from **R.T.M. Nagpur University** with	**6.55 GPA**	July 2014 – Jun 2018
H.S.C. (Science)	from **Maharashtra State Board** with	**63.38 %**	July 2012 – Feb 2014
S.S.C	from **Maharashtra State Board** with	**75.45 %**	July 2011 – Mar 2012

Projects

Design & Development of Circulating Grain Dryer — Feb 2022 – Mar 2023

The project was an attempt is to devise, analyse and validate a Grain / Seed Drying System for the application at commercial scale. I provided with all deliverables required for manufacturing (viz. Drawings, DXF, B.O.M.)

Design & Development of Fatigue Minimizing Human Exoskeleton. (Final Year Project) — Feb 2018 – Apr 2018

The project was an attempt to design and develop a machine that can be worn by a human, allowing the wearer to control the machine's motions and assisting in the reduction of human fatigue (of the Lower Extremity) when walking while carrying a heavy load without interfering with the wearer's free movements.

Achievements

Awarded as Star performer of the Month for Performance & Excellence at Work.	Feb 2023
Received Elite Squad Award, a team award for Team Performance in a Project.	Apr 2023

Communication Compatibility

Hindi 🗨	*Marathi* 🗨	*English* 🗨