



GOPAL KUMAR CHOUDHARY

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CAREER OBJECTIVE

A dedicated mechanical engineer with a Solid command of technologies, tools, manufacturing process and best practices in designing mechanical equipment using AutoCAD, SolidWorks, Unigraphics NX, Ansys and engineering drawings. Strong team collaboration skills. Skilled at formulating and implementing equipment designs, testing, and producing specifications, and researching product application.

TECHNICAL COMPETENCIES

MS Office | Autocad | NX | Solidworks | Ansys
    
Six Sigma | Delcam | Mastercam | CNC
   
Industrial Robotics | Industrial Automation
 

ACHIEVEMENTS

- Filed Four Patent & one Research paper
- Best Innovator Award
- Six Sigma Black Belt
- 1st Rank in 3D-CAD Modelling
- 2nd Rank in Aeromodelling
- 40 % Merit Scholarship_CUCET

INTERPERSONAL SKILLS

Problem Solving | Leadership | Clear Communication Skills | Decision Making Creativity | Collaboration | Management

INTERESTS & HOBBIES

Creativity | Innovation | Cooking | Travelling

EDUCATION

Bachelors in Mechanical Engineering | Chandigarh University, Gharuan, Mohali, Punjab
Session: 2021-2024 | CGPA: 8.24

Diploma in Plastics Mould Technology | CIPET-GUWAHATI
Session: 2018-2021 | Percentage: 78.96%

Matriculation (CBSE) | Holy Mission School, Darbhanga, Bihar
Session: 2017-2018 | Percentage: 75.6%

EXPERIENCE & TRAINING

THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)

June 2022 – Present (Membership Id: 000103691216)
Active member: To stay updated on industry trends and advancements.

GENUS ELECTROTECH LIMITED, GANDHIDHAM, GUJARAT

June 2022 – July 2021
Successfully completed the 2 months Industrial Training.

FINE TOOLS INDIA PVT. LTD., BENGALURU, KARNATAKA

March 2021 – July 2021
Successfully completed the 3 months Internship.

PROJECTS & PUBLICATIONS

Nanoindentation Characterization of Polymer and Polymer Composites

January 2024 (Research Paper)

- Applying nanoindentation for in-depth analysis of polymer and polymer composites' mechanical properties and nanoscale structural behavior.

Automated Vehicle Overload Control System

Winter term- November 2023 (Filed a patent, Application No: 202411003466)

- To detect the status of overloading and items protruding beyond the vehicle container's boundaries.

Protection wire-frame for two wheelers to avoid kite string accidents

Summer term- June 2023

(Submitted paper to International Journal of Vehicle Safety (Under Review, Submission ID: IJVS-174123)

- Ensures road safety for bikers with a lightweight, sturdy, cost-effective solution, preventing kite string accidents without obstruction.

Human Following Robot

Winter term- December 2022

- Autonomous Human Following robots track and follow individuals, serving purposes like crowd assistance and navigation.

Identification and case study of manufacturing plastic products by an injection molding machine

Final year diploma, June 2018

- Analyzed plastic manufacturing via injection molding, conducting a detailed case study on the entire production process.

COURSES & CERTIFICATIONS

- Six Sigma Black Belt from Coursera
- Overview of Space Science and Technology, ISRO
- AutoCAD, CIPET, Guwahati
- SolidWorks, Unigraphics (NX), & Industrial Robotics, TRTC, Guwahati
- Diploma In Computer Application, ICS, Samastipur