GAURAB SINGH

(MECHANICAL ENGINEER)



To obtain a challenging position in any company in order to expand my experience and skills and work towards the overall growth of the organisation. To get new experience as well as utilize my communication and interpersonal skills to work towards the organisational goals.

❖ CONTACTS DETAIL:

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Present Address:

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Permanent Address:

Vill.-Barauli, City: Bhogaon, P.O: Vinodpur, Dist.: Mainpuri, Uttar Pradesh, 205262

❖ EDUCATION DETAIL:

- B.Tech from National Institute of Technology, Mizoram (Mechanical Engineering) with 6.27 CGPA in 2019.
- Class XII: KENDRIYA VIDYALAYA AIZAWL in 2015.
- Class X: KENDRIYA VIDYALAYA, AIZAWL in 2013.

❖ CORE SKILLS:

- E3D V2.1
- NAVISWORK MANGE
- PDMS(Plant Design Management System)
- ANSYS 14.5
- CATIA V5 R20
- SOLIDWORKS
- AUTOCAD
- POWERMILL
- EXCEL VBA
- MS –WORD
- MS-POWERPOINT
- MS-EXCEL
- BASIC OF C, C++

❖ EXPERIENCE DETAIL:

Company: Adecco India Pvt. Ltd. **(1ST October 2019 - 29TH September 2021)**
Client: GE Power India Pvt. Ltd.
Designation: Piping Design Engineer
Project: ELEKTROWNIA OSTROLEKA C 1000MW – Thermal Power Plant Project
Location: Noida

Job Responsibility:

Developed Modelling of pipe route with the help of P&ID by using software E3D/PDMS.
Work with Pipe Material Specifications and the piping components to ensure that we have the most effective technology and cost advantage.
Knowledge of codes and standards, both national and international (AMSE 31.3).
Preparation of GAD (General Arrangement Drawing), system isometrics,piping isometrics and piping layout plus review of same.
Experience in Plot plan ,Equipment layout development, Pipe routing, Input to civil, Squad checks, Support design in E3D/PDMS.
Modelling of Nozzle orientation of Equipment such as Tank for supplier Drawing in the form of Draft.
Knowledge of Piping Materials (pipe, valves, fitting) including how those components are used to create Pipe Material Specifications.
Preparation and Generation of MTO & Piping Bill of Material.
Extraction of 2D piping isometrics drawing with 3D model from Isodraft module in E3D.
Read and interpreted blueprints, technical drawings, schematics, and computer-generated reports.

Company: VA Tech Wabag India Ltd. **(20TH December 2021 -Present)**
Designation: Piping E3D - Modeller
Project: Amur gas Chemical Complex (AGCC) – Sibur, Russia – WTP
Location: Pune

Modelling of pipe routing with all required details by using software E3D/PDMS.
Preparation of pipe modelling from P & ID.
Knowledge of Draft and Isodraft in E3D.
Nozzle orientation of Equipment for supplier drawings.
Co-ordinate with the all team member regarding current progress of the project.

❖ TRAINING & PROJECTS:

1. **Final Year Project, NIT Mizoram**

   Analysis of Helical Savonius wind Turbine with 180° Twist in Computational Fluid Dynamic (June 2018 - June 2019) - Analysis of pressure, velocity and streamline flow of wind at different velocities i.e. 6 m/s, 7.5 m/s, 8.8 m/s and 11 m/s software Ansys 14.5 under the guidance of Dr. Bachu Deb, Mechanical Engineer, HOD Mechanical department.

2. **PROJECT ON NUCLEAR FUEL COMPLEX – BARC HYDERABAD (3rd Dec – 30th Dec 2017)**
   Overview of Nuclear Power plant, Production Planning is prepared by using Software Excel (VBA) under the guidance of Mr. Satyasiba Das, Scientific officer 'D', Head of Tool Room.

3. **Inplant Training in BHEL HYDERABAD (13th June – 13thJuly 2018)**

   Overview of Pulveriser and its uses in plant also the process to generate the electricity under the guidance of Mr. Nirnith Sai Sukhdam, Pulverisers Engineer.

4. **Training in IIT Guwahati** **(7th Nov 2016 – 7th Dec 2016)**

   Learned about Gian course on Design of Electric Vehicle under the guidance of Dr. Kari Tammi, Department of Mechanical Engineering, Aalto University, Finland.

5. **Training in NIT Mizoram** **(21th Mar 2018 – 27th Mar 2018)**

   Learned about Gian course on Advances in Manufacturing Process under the guidance of Dr. Nageswara Rao Posinasetti, University of Northern lowa, USA.