Mohammad Perwaze

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Objective

M.Tech in Thermal Engineering and B.Tech in Mechanical Engineering with 1+ years of industrial experience and 3+ years of experience in 2D and 3D drafting/modeling. I am looking for an opportunity in a reputable organisation where I can put my expertise and talents to good use, as well as a chance to progress in terms of knowledge and professional development.

Experience

- **G. K. Auto** 1/06/2015 - 15/07/2015
  Intern
  1. Observation and Monitoring of casting of clutch plates.
  2. Preparation of 3D models in Creo Parametric.
  3. Testing of product at different stages.
- **LG Electronics India Pvt. Ltd.** 08/10/2020 - 30/06/2021
  Research and Development Engineer
  1. Preparation of mockup in UG NX and testing it on real parts.
  2. 3D audit of split and Window air conditioners.
  3. Assembly line monitoring.
  4. Detection and elimination of defects for smooth production.
- **Goldrush Capital Services Pvt. Ltd.** 10/01/2022 - Present
  Technical Manager
  1. Provide technical support to various banks related to the projects in which the banks have invested.
  2. Preparation of quarters report for physical and financial progress.
  3. Audit of plant & machinery.

Education

- **Thapar Institute of Engineering and Technology**
  Master of Engineering : Thermal Engineering 2021
  9.44
- **VIT East, Jaipur**
  B.Tech : Mechanical Engineering 2017
  71.5
- **Delhi Public School**
  Intermediate 2012
  68.7
- **Delhi Public School**
  High School 2010
  8.8

Skills

- AutoCAD 2D
- Creo Parametric
- Siemens NX

- Ansys Fluent
- Microsoft Excel
- Microsoft PowerPoint
- Microsoft Word

Projects

- **Thermal modeling and performance comparison of active and passive solar stills**
  Thermal modeling and comparison study of photovoltaic thermal compound parabolic collector, photovoltaic thermal flat plate collector coupled with single slope solar still and single slope passive solar still. Energy balance of individual components of a solar still is done and a MATLAB code has been prepared for individual model. Comparison of the three models has been done on the basis of various parameters such as distillate output, thermal efficiency, exergy and some other parameters.
- **Domestic Electrolux Refrigeration System**
  Domestic electrolux refrigeration system: A working model of a domestic electrolux refrigeration system also known as three fluid system was fabricated. The refrigeration system was integrated with a solar panel to provide the energy input.
- **Energy Harvesting**
  Energy harvesting system: A small energy harvesting device to convert mechanical vibrations into electricity using piezoelectric crystals was fabricated. The device was used to convert the mechanical vibrations of a lathe machine into electricity.

Exams Qualified

- **GATE 2017**
  Mechanical Engineering
  Score 483
  Registration number: ME17S23031218

- **GATE 2019**
  Mechanical Engineering
  Score 385
  Registration number: ME19S25034118