



## SOUMYA PRAKASH DUTTA

I am a professional Mechanical Design Engineer with 3 years of experience of Solid modelling, Finite element analysis and Simulation. Seeking to leverage my professional expertise and experience into in a company which specializes in CAD/CAE work which will allow me to learn more and expand my capabilities into new areas as well as help this organization grow collectively.

### Education

2018 | Osmania University, Hyderabad

**Master's in Mechanical Engineering  
Specializing in Design For  
Manufacture**

2015 | SOA University, Bhubaneswar

**Bachelor's in Mechanical  
Engineering**

### Contact

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Acharya Vihar, Bhubaneshwar,  
Odisha, 751013

### Work Experience

CSIR-IMMT Bhubaneswar | Feb 2021 - present

#### Project Associate

- Design and modelling of Laboratory Equipments and devices according to required experimentation and conditions.

CSIR-CSIO Chandigarh | Dec 2018 - March 2020

#### Project Assistant

- Design and modelling of Pressure Vessels for cold chamber storage.
- Engineering calculations, specifications and drawings associated with refrigeration systems.
- CFD Analysis of Refrigeration System Components.

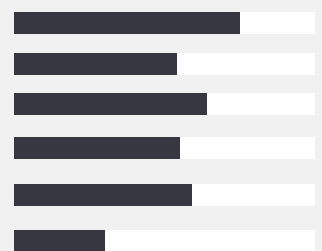
Ordnance Factory Medak | Feb 2017 - Jan 2018

#### Graduate Intern

- Modelling and drafting of welding fixtures and assembly fixtures.
- FEA Structural Analysis, Static and structural analysis,
- Suspension System Analysis of Tracked Vehicle.

### Skills

- CAD - Solidworks, Creo
- CFD - Ansys Fluent
- Fixture Design
- Refrigeration & HVAC
- GD & T
- Python Scripting



### Trainings & Workshops

- "The Aerotrix Super Challenge to construct a RC Aircraft" Organized by Aerotrix, IIST Trivandrum in the year 2013.
- Certified CATIA V5 from Dassault Systems in the year 2018.
- Certified Hypermesh from DesignTech in the year 2018.
- Certified AUTOCAD from CIPET in the year 2013.

# SOUMYA PRAKASH DUTTA

Dear HR Manager

Your company Capegemini recently advertised on it's website for a Mechanical Design Engineer role. After reading the job description I am confident that I would be a perfect fit for your position as my skills, ability and future potential precisely match your requirements.

Without wishing to sound boastful I feel that I come to you with a background that is unique and distinctive from other applicants. I have all of the competencies required to do the job well, in particular I want to highlight my ability to create designs and analyze them independently. My other core strengths include, but are not limited to the following:

- Solid modelling, Assembling, Detailing, simulation, value engineering, GD & T, sketching of new conceptual design, material selection.**
- Finite element analysis using Ansys and Hypermesh.**
- Being able to work in an environment of change, multiple deadlines.**
- Scheduling workloads to meet priorities and targets.**

For additional information about my capabilities please view my attached resume.

I would welcome the chance of an interview, where we would be able to discuss in greater detail the value and strength I can bring to your already successful company.

I thank you very much for your time and I eagerly look forward to hearing from you.



Soumya Prakash Dutta