

Ravi Kumar Gorre

ML Engineer

Innovation — Thermax Ltd

+91 7 981 600 981

job.grk@outlook.com

Pune

Personal Statement

Having primarily qualified in the field of mechanical engineering, acquired experience developing ML models, I am looking for a role that involves enhancing industrial products with data driven models.

Education

- Indian Institute of Technology, Madras** **Bachelor of Technology**
Mechanical Engineering *2015 - 2019*
Secured : 7.91 GPA — Thesis: Fluid Film Thickness Measurement using Ultrasound
- Board of Intermediate Education, Andhra Pradesh** **Intermediate Schooling**
Mathematics, Physics and Chemistry *2012 - 2014*
Secured : 94.5 %

Experience

- Innovation — Thermax** **ML Engineer**
Development of expert system software solutions *May 2021 - Present*
Thermax is an engineering company providing sustainable solutions in energy and environment. To keep abreast with the trend and technologies, Thermax had launched **Thermax EDGE™ Live**—(*expert system software solution*), as an add-on for their industrial heating products (boilers & heaters). This is accompanied with various related analytics.
My assignment in the development of Thermax EDGE™ Live involves :
 - Develop mathematical models and algorithms for solutions
 - Share technical inputs for preparation of the models as required by software development team
 - Lead solution blueprinting considering feedback from the operating teamSecured : Thermax Best Proof Of Concept 2021-2022 for “*digital twin of grate fired boiler and advanced control of boiler using digital twin technology*”
- LiDust — EnERG Labs** **Technical lead**
Leading development at an IITM incubated startup *Jun. 2019 - Dec. 2020*
LiDust is a spin-off start up from EnERG Labs at IITM with EIL as seed grant funding. It aims to produce particulate emission measurement equipment for smokestack industries.
 - Led a technical team of engineers along a path of developing start-up’s first prototype.
 - Developed RPi based optical emission measurement prototype with components for data acquisition from photodiode & for automating data processing tasks.
- Daimler India Commercial Vehicles** **Interning UG**
Energy assessment of diesel-engine durability-test facility *Dec. 2018 - Jan. 2019*
 - This project involved estimation of various energy losses in the diesel-engine durability-test facility at Daimler, Chennai plant.
 - Data from sensors have been used for calculations, Dashboard with sankey chart have been developed to visualize energy flow in the system.

Skills

- Software — Excel-&-Office, Asana
- Programming Languages — Python , C/C++
- Key courses:
 - Complete DataScience Bootcamp(Udemy)
 - Design & Optimisation of Energy Systems
 - Experimental Techniques in Fluid Mechanics
 - Artificial Intelligence in Manufacturing

