

# Ravi Kumar Gorre

Technical Product Analyst  
Innovation — Thermax Ltd

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## Career Objective

To leverage my expertise in IoT technologies, architecture, and data analytics to translate business requirements into technical specifications and ensure alignment with project goals. I am passionate about contributing to the development of innovative solutions and achieving business success by working collaboratively with cross-functional teams.

## 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** **Technical Product Analyst**  
*Development of Digital Twin based remote monitoring solution.* *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**—(A remote monitoring software solution), as an add-on for their industrial boiler products. This is accompanied with various related analytics.  
My assignment in the development of Thermax EDGE™ Live involves :
  - Translating business requirements into technical inputs for software team and ensuring alignment with project goals
  - Lead solution blueprinting considering feedback from the operating team
  - Develop mathematical models and algorithms for solutionsSecured : 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, SQL
- Key courses:
  - Complete DataScience Bootcamp(Udemy)
  - Design & Optimisation of Energy Systems
  - Experimental Techniques in Fluid Mechanics
  - Artificial Intelligence in Manufacturing

