Ravi Kumar Gorre

Technical Product Analyst
Innovation — Thermax Ltd

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Career Objective

I am passionate about contributing to the development of innovative solutions and achieving business success by working collaboratively with cross-functional teams. I am seeking a position where I can leverage my expertise in data analytics to outline technical requirements based on the business needs.

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 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 solutions
  Secured : 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

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