

# Ravi Kumar Gorre

Subject matter expert for IIoT analytics product  
Thermax Ltd

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## Experience

- Subject matter expert — IIoT analytics product** **May 2021 - Present**  
*Pune*  
*Thermax Edge Live*
  - Played a key role as a Subject Matter Expert (SME), leading internal software team in the development of cutting-edge IIoT products.
  - Successfully delivered new product features that resulted in a 50% YoY increase in the number of customers, driving significant business growth and market expansion.
  - Led [0 to 1] development of innovative digital twin functionality, that helps customer operate their energy-asset at optimum efficiency – A unique selling proposition for the product.
  - Revamping of the execution process through the implementation of Standard Operating Procedures (SOPs), resulting in a 75% reduction in new user-asset onboarding time, improving overall team efficiency and productivity of execution.
  - Oversaw the execution of projects, ensuring efficient and timely delivery of solutions to clients, while maintaining high-quality standards and customer satisfaction.**Additional Product Initiatives Ownership / Responsibility:**
  - Launched various new product features using agile methodology and laid roadmap for development of a new offering (IIoT product for industrial thermal oil heaters).
  - Composed technical requirements from understandings of user stories and feedback collected by internal operation teams which led to new product features.
  - Documentation of product requirements, technical specifications, SOPs for executions and related knowledge.
  - Collaborated with business stakeholders to ensure product alignment with business requirements.**Secured:** Best proof of concept award (2021-22) for *"digital twin of grate fired boiler and advanced control of boiler using digital twin technology"*.
  - This is a digital model of customer's industrial boiler asset dynamically trained using its IoT data so as to automatically generate operational recommendation for optimal operation of asset.
  - This model comprises multiple machine learning models working together to simulate a real system.
- Technical Lead — EnERG Labs** **Jun. 2019 - Dec. 2020**  
*Chennai*  
*Leading development at an IITM incubated startup*
  - Led [0 to 1] development of prototype: "Particulate matter level measurement sensor for industrial flue gas stacks"
  - Helped client meet compliance particulate emission level of 30 units from 100 units.
  - Established test set up for benchmarking instrument accuracy and precision.
  - Defined technical specifications for the components required to build the product, in accordance with the business requirements.
  - Developed a product roadmap that aligns with overall business objectives, as well as defining key milestones and deliverables.

## Education

- Indian Institute of Technology, Madras** **2015 - 2019**  
*B. Tech*  
*Mechanical Engineering — CGPA: 7.91*  
**key courses:** Data Science, Design and Optimisation of Energy Systems  
**leadership roles:** Coordinator of Mechanica 2k18
  - Increased the number of participants by 30% compared to last year. Responsible for organizing and conducting events managing about 100 Participants.**Internship @ Daimler:**
  - Worked at a Diesel Engine Durability Test Setup to study various energy flows and losses.
  - Built dashboards in Power BI using data from sensors to display key performance indicators related to energy management, improving visibility and enabling data-driven decision making.

## Skills

Technical Product management

Product development & Leadership

Product Strategy & roadmap

Agile Methodologies

Product Ownership

Data Analysis in Excel

APIs

Python & Machine learning