

Thammaiah Naganda Subbaiah

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EDUCATION

University of Minho

Portugal

FRP++ European Master in Advanced Structural Analysis and Design using Composite Materials

August 2025

- Erasmus Mundus Joint Master's program focused on innovative approaches to designing, analysing, and applying composite materials to tackle future challenges in sustainability and high-performance engineering.

Visvesvaraya Technological University

India

Bachelor of Engineering - Mechanical Engineering

August 2020

- Publication - Nonlinear Response of Fiber Bragg Grating for Health Monitoring of Railway Track
IEEE explore · May 1, 2020

WORK EXPERIENCE

Oleo International

India

Product Engineer

May 2023 – August 2024

- Developed advanced crash energy management solutions for over 20 passenger, freight, and metro train projects by conducting detailed simulations, preparing technical reports, and ensuring EN15227 compliance; provided actionable insights and tailored solutions to global clients, improving project efficiency by 15%.
- Led 10+ projects from concept to delivery, coordinating cross-functional teams including sales, engineering, and manufacturing to align technical deliverables with customer requirements; ensured 100% on-time completion and consistently exceeded client expectations, resulting in a 25% increase in customer satisfaction.

PMC Hydraulics

India

Production engineer

November 2020 – July 2022

- Managed the assembly and testing of hydraulic power packs and manifolds, investigating failure causes and implementing corrective actions to improve system reliability; supervised production planning and operations, optimizing workflow to meet project deadlines and ensure consistent quality standards.
- Contributed the development and prototyping of a hydraulic iron ore filter press, including assembly, testing, and commissioning; coordinated the design and service of a lubrication power unit for a stationary cone crusher, achieving successful on-site commissioning and client satisfaction.
- Supervised a team of 15 subordinates as part of the New Product Development (NPD) team, ensuring seamless collaboration and successful project execution.

Volvo Buses

India

Product Development Intern

November 2020 – July 2022

- Designed an innovative passenger seating concept within the Body-in-White (BIW) department, collaborating with the product development team to optimize solutions that align with project goals and industry standards.
- Coordinated with the homologation department to evaluate and validate the design's feasibility, ensuring compliance with regulatory standards and achieving successful approval for implementation.

SKILLS & INTERESTS

Skills: Abaqus FEA | Composites Design | Siemens NX | Python | Machine learning | AutoCAD | Ansys Workbench | SolidWorks PDM | Salesforce | Hydraulics Servicing and Testing | Assembly | MSX D365 | Technical documentation | Microsoft Office | Project management | Project Costing & Estimation

Interests: Composites, Technology, Football, Field Hockey, Travel, Cultural Exploration