

# Nandita Suresh

nanditasuresh175@gmail.com | Portfolio | LinkedIn | | +1 (765) 772-8832 | West Lafayette, IN, USA

## EDUCATION

### Purdue University

Masters in Industrial Engineering - Professional Masters Program

West Lafayette, USA

Graduation date: May 2026

### Sri Sivasubramaniya Nadar College of Engineering

B.E. Mechanical Engineering; GPA: 9.38/10

Chennai, India

Graduation Date: May 2022

## WORK EXPERIENCE

### ZF Friedrichshafen

IE-PMP Project Intern

Lafayette, USA

Sept 2024 - Present

- o Evaluate current inventory system and identify critical suppliers, part numbers and gaps in inventory management through Plan For Every Part process
- o Enhance SAP system to define lead times for components optimizing inventory management, ensuring efficient and timely product delivery significantly reducing inventory cost by at least \$0.5M
- o Assess customer order acceptance process based on lead times and improve overall lead time by 10% for a streamlined operation

### DOW Chemical

Hardware Discipline Engineer

Chennai, India

Jul 2022 - Jul 2024

- o Led retrofit project for Absorption Refrigeration Unit replacement worth Euro 1.8MM by ordering equipment from an Indian Supplier for installation in Terneuzen, Netherlands on time to avoid loss of production
- o Analyzed engineering works for installing Automated Bag Packing System for DOW Belgium site worth Euro 2MM to automate entire bag packing station to avoid strenuous manual labor
- o Reviewed vendor drawings with multiple stakeholders and subject matter experts and prepared construction package for construction contractor for multiple projects for Terneuzen, Netherlands and Barry, UK DOW sites

Hardware Discipline Engineer - Intern

Jun 2021 - Aug 2021

- o Evaluated stress & thickness calculations for tanks as per ASME Section VIII
- o Analyzed pump selection procedure according to process requirements

## SKILLS

- o Programming Language: Python, C++, SQL, HTML/CSS
- o Tools: PowerBI, Minitab, RStudio
- o Languages: English, Tamil, Telugu, Hindi

## LEADERSHIP EXPERIENCE

### U&I - Non-profit Organization

Leadership & Volunteer

Chennai, India

Jun 2021 - Apr 2023

- o Taught literature lessons for students in an orphanage every weekends for 3 hours
- o Assumed added responsibility of overseeing a learning circle comprised of 5 volunteers and 10 children

### Office Bearer for Association of Mechanical Engineers - SSN College

Leadership

Chennai, India

Jun 2021 - May 2022

- o Successfully organized first-ever online technical symposium called "INVENTE" attracting a 15% increase in participant turnout compared to the previous year
- o Handled finance, event operations, digital marketing, and design, which provided a holistic understanding of event management and logistical intricacies

## AWARDS

### Runner- up place in INVENTE 5.0 – Data Utopia event

Engaged in cleaning up raw data using Python and getting valuable insights for better understanding

SSN College

Feb 2021

### Winner of the event METTLE'22 - METADATA

Extracted appropriate data and generated a Machine Learning model for the given problem statement dataset

NIT Trichy

Jan 2022