

# Nandita Suresh

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## 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*

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

### DOW Chemical

*Hardware Discipline Engineer*

Chennai, India

*Jul 2022 - Jul 2024*

- 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
- 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
- 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*

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

## SKILLS

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

## VOLUNTEERING AND LEADERSHIP EXPERIENCE

### U&I - Non-profit Organization

*Leadership & Volunteer*

Chennai, India

*Jun 2021 - Apr 2023*

- Taught literature lessons for students in an orphanage every weekends for 3 hours
- Assumed the 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*

- Successfully organized the first-ever online technical symposium called "INVENTE" attracting a 15% increase in participant turnout compared to the previous year
- 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 the appropriate data and generated a Machine Learning model for the given problem statement dataset*

NIT Trichy

*Jan 2022*