

Surya Pusapati

Graduate Student

Acquiring advanced knowledge in Industrial Systems Engineering and applying innovative technologies has been the dream I have fervently and continually wanted to fulfill since I entered the field of mechanical engineering. My lifetime ambition is to pursue a challenging career in Industrial Engineering, focusing on Technological Innovations and Data Analytics.



Work History

Fall 2022	Teaching Assistant Engineering Tutor <i>University of Regina, Regina, Canada</i>
Nov 2020 – Aug 2022	Research Internship (Remote) <i>Ericsson, Montreal, Canada</i> Research on optimizing 5G Network systems using Network Simulation and Machine Learning.
Winter 2022	Teaching Assistant
Fall 2021	Graduate Teaching Assistant
Fall 2020	Graduate Teaching Assistant
Summer 2020	Teaching Assistant <i>University of Regina, Regina, Canada</i>
May 2019 – Aug 2019	Service Manager Trainee <i>RV Motors, Vizianagaram, India</i> Trained as a service Manager in an auto service center.
Apr 2018 – Jun 2018	Student Internship <i>GVK Power Plant, Jegurupadu, India</i> Analyzed the performance of the cooling tower of the combined cycle power plant.



Contact

Address

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E-mail

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WWW

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Software

Python

MATLAB

Linux

SQL



Skills

Microsoft Office



Computing Skills



Data Science



Jupyter Notebook





Education

Jan 2020 –
Feb 2023
(Expected)

Master of Applied Science: Industrial Systems Engineering

University of Regina, Regina, Canada

- GPA 88.2/100
- Waiting of thesis defense
- Thesis: Cellular Network KPI Prediction on Simulated 5G-NR V2N Traffic Dataset using Machine Learning

Jul 2015 –
Apr 2019

Bachelor of Technology: Mechanical Engineering

*Gayatri Vidya Parishad College of Engineering (A),
Vishakhapatnam, India*

- GPA 8.06/10
- Project: Design and Fabricate a Radio-controlled Mini Rover with Audio-visual Sensors



Certifications

Current

iNeuron.ai course "Full Stack Data Science Bootcamp."

Sep 2020

Udemy course "Statistics for Data Science and Business Analysis."

Jul 2020

Udemy course "Python for Data Science and Machine Learning Bootcamp."



Publications

S. Pusapati et al., "Simulation of NR-V2X in a 5G Environment using OMNeT++," 2022 IEEE Future Networks World Forum (FNWF), 2022, *inproceedings*.



Volunteering

May 2021 –
Aug 2021

International Peer Advisor

University of Regina, Regina, Canada