Leelamohan Darapuneni
Hiddingser Weg - 50,
59494 Soest, Germany
+49 17656833403
leelamohan93@outlook.de

AM/B/L-class

linkedin.com/in/leelamohan/
github.com/leela93

Education:

04/2017 – Present   ***Masters: Systems Engineering & Engineering Management***

- Focus areas: Machine Learning, Process Controlling, and Project Management
- Fachhochschule Südwestfalen (Soest, Germany)

05/2011-04/2015   ***Bachelors: Mechanical Engineering***

- Focus areas: Modelling & Simulation of machine elements, Production technics
- K.L. University (Guntur, India)

Experience:

09/2020 – Present   ***FC-Associate - IXD Department, Amazon (Werne, Germany)***

- Controlling product data accoring to Order
- Sorting for Shipment

04/2019 – 06/2020   ***Workstudent in FH Automation Lab (Soest, Germany)***

- Developed Python based environment for Job Shop Scheduling with robots
- Development of CNN and RNN diagramatic representations
- Server administration support for Trail run and documentation of AI Algorithms

04/2018 – 12/2019   ***Machinary Maintenance- Kuchenmeister GmbH (Soest, Germany)***

- Maintenace and cleaning of Machines
- Working with the frame of Qualitymaintenace.

06/2015 – 05/2016   ***Graduate Engineer in Silverlinings Storage Solutions (Tirupati, India)***

- Calculation of Project cost according to customer storage requirements
- Development of CAD sketches according to Storage area description
- Technical support to business Team in Project negotiations

11/ 2014 - 01/2015   ***Intern by Silverlinings Storage Solutions (Tirupati, India)***

- Documentation of Storage Structure Experiment according to International Standards

Master Thesis:

01/2020 – 07/2020   ***Adaptable distributed control of Manufacturing System using Distributed Deep Recurrent Reinforcement Learning.***

- Development of Plant model in Simulink – A Bulk Good System, custom designed with different actuators in different stations
- Extension of the available simulation model with the control behavior
- Design and implementation of distributed reinforcement learners incorporating with Knowledge distillation on PLC contol policies to Contol and Knowledge of Multiple Stations with a Single Programmed Agent

| 10/2017 – 2/2018 | ***Planning and Design of E-commerce Website with Ms-project*** |

- Designing time-line for warehouse construction and website development
- Gantt chart creation for process visualisation
- Allocation of Budget

| 10/2017 – 2/2018 | ***Visualisation and Standardisation of Process with Lean Standards*** |

- Creation of Value Stream Map while walking the line end to end of process
- Application of Andon Systems on process lines for smooth production flow
- Application and following of 5s method on process.

Bachelor Thesis:

| 01/ 2015 - 03/2015 | ***Heat Transfer Enhancement in Ferrofluids by varying Molar Mass Fraction*** |

- Designed Experimental circuit for Fluid Flow and Prepared the Ferro fluids with different Molar Compositions
- Acquisation of Sensor data with Labview and Produced Graphs for each fluid to validate heat Transfer difference.

Achievements:

| 2014-15 | • Awarded with **Bronze Medal** for academic performance in **Mechanical** |

| 2014 | • Achieved **3rd** position in **National Creativity Aptitude Test 2014** |

Skills:

- Machine Learning(Specialised in Reinforcement & Deep Learning)
- MATLAB & Simulink, Python & Pytorch
- Project Management, Quality Management (Lean&6σ)
- MS Office & MS Project – Excellent knowledge
- OS: Windows and Linux – Good knowledge
- CAD, Solidworks, Pro-E, Adams(Car) – Good knowledge
- Git and Github – Good Knowledge
- HTTP, CSS, Java - Basics
- SAP- Basic knowledge

Certificates:

- Lean Six Sigma (Yellow Belt) (TUM & Infenion)
- Deep Neural Network With Pytorch (IBM & edX)
- SAP-Basics (Udemy)
- Matlab & Simulink (Udemy)

Languages known:

| English | fluent (Level C2) |
| German | Conversational (Level C1) |

Leelamohan .Darapuneni   Soest, 04/10/20