

JYOTHSNA SAI SWAROOP SURISSETTY  
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#### PERSONAL INFORMATION

Nationality : Indian  
Date of Birth: 25 September 1993  
Status : Single  
Address : Lindenthalstraße 16C,  
84478 Waldkraiburg, Germany .

#### EDUCATION

September 2016–2020 **Masters in Product Refinement**-(7<sup>th</sup> semester)  
Hochschule Kaiserslautern University

Field of Study Material Science, Polymers & Plastic Technology,  
Composites, Heat Transfer.

August 2011- April 2015 **Bachelors in Mechanical Engineering.**  
Visakha Technical Campus-Visakhapatnam, India .

Field of Study Production Engineering, Industrial Engineering, Material Science.

#### EXPERIENCE

April 2018-July-2018 **Profile GmbH** (Workstudent)  
Description:

- Involved in Production of PVC Profiles(Extrusion)
- Solving the errors in Production Line

#### INTERNSHIP

March 2019-September 2019 **Fraunhofer Institute for Chemical Technology (ICT)** (Trainee)

- Experimental investigation of In situ monitoring of PA6 and bio-epoxy using Dielectric Analysis(DEA 288)
- Calibration of sensors and measuring systems
- Working with T-RTM, Wet Compression molding machines
- Analysis and optimization of results
- Preparing regular presentations and reports on the work.

August 2018-February 2019 **Institute of Plastic Technology Westpfalz(IKW)** (Student Assistant)

- Extrusion Operations & Compounding
- Aligning of screws in Twin Screw extruder
- Injection Molding Operations.(PP,PA 6,PE,TPU)
- Analysis of Test results

August 2017-September 2017 **LG Polymers.** (Trainee)

- Type of Polymers(Polystyrene) ,Fibers & Additives used for preparation of plastic products-(**Material Selection**)
- Injection Molding-(**Production Planning**)
- Performed several tests to determine the physical properties of the specimen-(**Inspection**).

## PROJECTS

June 2019-July 2019	<b>In-situ of Online Cure Monitoring of Thermoset polymer to optimize the Curing process.</b> (Fraunhofer ICT)
November 2018-March 2019	<b>Experimental Investigation of Light weight Composite by Natural &amp; Synthetic Fibers using Polypropylene.</b> (IKW Hochschule)
January 2015-March 2015	<b>Experimental Investigation of Mechanical properties on polymer matrix Composite(Hand Lay Method).</b> (JNTUK University)

## MASTER THESIS

November 2019-Present

### **Enhancing of Progressive cavity pumps using Vulcanized rubber(NBR) with Temperature sensors.**

- Product Development and optimization
- FEM Calculations using Octave/Matlab
- Data Analysis
- Working with Integrated/Vulcanized sensors and Extrusion/ Techquies.

## TECHNICALSKILLS

- Injection Molding & Extrusion Machining
- Compression Molding
- Lean Six Sigma(Green Belt)
- Orgin Pro, CAD Inventor, Python.
- Word, PowerPoint, Excel

## PERSONALSKILLS

- Creative
- Organized
- Time Management
- Open to learn

## LANGUAGESKILLS

- English(Fluent-C1)
- German(Intermediate-B1.2)
- Telugu(Native-C2)

Pfinztal,15-12-2019  
Place & Date



Signature.