

# Naveen Kumar Uppara

 Naveen-learner |  Naveen Kumar |  naveen8376@gmail.com |  +91-8985200370

## SUMMARY

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Entry-level data scientist looking to make a difference. I have a strong math background and have utilized Python for data processing, simulation of solar shading scenarios, and visualization of data for my master's thesis. Knowledgeable in data science-related Python frameworks such as SciPy, NumPy, Matplotlib, Pandas, scikit-learn and experience using SQL database. I am involved in the Python open source community and am passionate about deep learning.

## WORK EXPERIENCE

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**Internship, Forschungszentrum Jülich, Erlangen, Germany** Aug 2021 - Aug 2022

Master Thesis Student - Detection and Quantification of Shading in Solar Parks

Tools: Python, NGSPICE, Machine Learning and MS Office

- Forecasting and Data visualization of Solar Irradiance and Power output by using Machine Learning and Python. Simulation of electrical circuits using Spice Simulation and Modeling of 3D objects using NGSpice

**Internship, Infiniti Building Solutions, Hyderabad** April 2018 - Oct 2018

- Heating, Ventilation, Air Conditioning and Refrigeration

**Freelancer, Chegg India Pvt. Ltd, New Delhi** July 2017 - Aug 2020

Subject matter expert for Calculus, probability and statistics

Skills: Problem Solving J Analytical Skills J Calculus J Probability and Statistics

## PROJECTS

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**Scientific project: Current and light Soaking of CdTe photovoltaic** Oct 2020 - Mar 2020

The behavior of three CdTe modules was investigated at three different temperatures in terms of dark storage by current and light soaking

**Scientific project: Yield simulation with consideration of shading effects** Apr 2019 - Sep 2020

To predict solar irradiation on steeply sloping surfaces with the aid of MATLAB

## EDUCATION

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2019 - 2022 M.Eng (Renewable Energy Systems) at **Nordhausen University** (GPA: 2.3/5.0)

2014 - 2018 Bachelor's Degree (Mechanical Engineering) at **JNTU Anantapur** (Percentage: 74/100)

## SKILLS

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SQL	Advance level
Data Structures, Programming logics and techniques	Intermediate level
Tableau	Intermediate level
Flask, Heroku, FastApi for deployment	Intermediate level
Teamwork, Leadership and collaboration	

## CERTIFICATIONS

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Certification of Participation - Data Science - Pantech Elearning September 2021 - October 2022