

# Varun Prakash

Self-motivated, hard-working dedicated to improving skills through hands-on learning and development work. Well-organized and collaborative team player with strong communication and analytical abilities.

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Chennai 📍

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## EDUCATION

### M.tech

IIITDM, Chennai

08/2020 - Present

CGPA - 8.87

Courses

- Smart Manufacturing

### B.tech

CGC College Of Engineering, Mohali

06/2014 - 06/2018

Percentage - 72.5

Courses

- Mechanical Engineering

### Sr. Secondary

Satyam International, Patna

05/2012 - 05/2014

Percentage - 77.2

### Higher Secondary

Satyam International, Patna

03/2011 - 05/2012

CGPA - 10

## PERSONAL PROJECTS

Improving Electrical efficiency of PV/T

- Using the TEG and additional photothermal layer on solar panel to increase the electrical output.

Real time Sensing of data in Cloud

- Sensing of various parameters through sensors and using arduino and flask app ,visualizing the data in cloud platform.

Regenerative Vacuum braking system

- The project uses the vacuum for braking using the regeneration. It recoup of some of the energy lost during stopping and use it which does not only enhance the braking system , but it also increase the efficient of vehicle.

## WORK EXPERIENCE

### Teaching Assistant

IIITDM

08/2020 - Present

Chennai

Achievements/Tasks

- Created lesson materials, visuals and digital presentations to supplement lesson plans.

### Intern

Metal Sign Indusrty

03/2018 - 05/2018

Mohali

Achievements/Tasks

- Reducing the Scrappage and using the scrappage from other industry also.

## SKILLS

Python



JAVA



C++



MYSQL



PYSPARK



## SOFTWARES

Ms Office

MYSQL

ANYLOGIC

## CERTIFICATES

MYSQL website administration

MYSQL is a very handy tool for analysing various aspects of e-commerce companies in seeing purchase orders, customer revisits, bounce back rates etc.

Spark and Python for Bigdata

With the help of PYSPARK and python for the data visualization ,further training the data set and apply various ML algorithms for prediction.

## LANGUAGES

English

Full Professional Proficiency

Hindi

Full Professional Proficiency

## INTERESTS

Data analytics

Artificial Intelligence

AWS Cloud

CryptoCurrency