# VARUN  GURJAPALLY

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## SUMMARY

My Academic journey in Mechanical Engineering has provided me with a strong foundation, I have gained hands-on experience with various tools and programming languages. This technical background has prepared me to transition smoothly into the world of  Data Science and AI for abroad studies.

## EDUCATION

**Bachelor of Technology : Mechanical Engineering,**

TKR college of Engineering & Technology, Hyderabad, 2020-23 (7.29 CGPA)

**Diploma in Mechanical Engineering,**

Annamacharya Institute Of Engineering and Science, Hyderabad, 2017-2020 (62.90%)

**The Board of  Secondary Education,**

Bhashyam high School, Hyderabad, 2017  (75%)

## INTERNSHIP EXPERIENCE

*(INTERN)*

**Feb 2022 - Mar 2022**

**National Small Industries Corporation (NSIC) LTD.**

E.C.I.L X Road, Hyderabad

Gained hands-on experience in CNC milling (machine learning) and developed skill Enhancement programming.

*(INDUSTRIAL TRAINING)*

**Nov 2019 - May 2022**

**Central Institute of Tool Design (CITD) MSME** - **TOOL ROOM**

Balanagar, Hyderabad

Gained hands-on experience in AUTOCAD, CNC and PRO -E, developed skills in Robotics and problem-solving.

## PROFESSIONAL DEVELOPEMENT

**Online Course:** Data Science  and  web development

**Course Platform :** Nxt Wave

**Course duration :**  jun - 2023  To  Nov - 2023

## PROJECTS

"**Regenrative Braking System**"                                                              **Oct** - **2019**

       Regenerative braking is a technology used in some vehicles to save energy and improve efficiency. When a vehicle with a regenerative braking system slows down or stops, instead of just wasting the energy as heat, it converts some of that energy back into electricity.

"**Experimental Investigation on Heat Transfer Through Fins of Hollow cylindrical and Rhombus Geometries** "                                                              **Apr - 2023**

       Overheat can cause significant damage to engine or any potential lead to engine component, So, fins are designed to increase the surface area with some shapes like hollow cylindrical and rhombus shape which help to dissipate heat more effectively.

## SKILLS

**Programming languages** : Python, HTML, CSS, SQL.

**Technical skills** : Auto Cad, Ansys, 3d modeling.

**Documentation** : Microsoft office ( word, Excel, & Power point).