SAI PURUSHOTHAM GUDE

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Python Developer

PYTHON |MYSQL|LINUX | ANSYS

Dedicated Mechanical Engineering graduate with strong academic foundation and a proven track record in project management and effective technical communication, Seeking opportunities in IT industry to leverage my skills in problem-solving for innovative solutions. proficient in python,ansys,catiav5 and communication skills.

EDUCATION

Bachelor of Technology - **Mechanical Engineering**   2019-2023

Gayatri Vidya Parishad College of Engineering(Autonomous)**,** Visakhapatnam *(CGPA-7.25/10)*

Intermediate – Maths/Physics/Chemistry   2017-2019

Narayana junior college , Visakhapatnam (CGPA-8.42/10)

SSC   2016-2017

Ramakrishna Public School, Visakhapatnam (CGPA-8.5/10)

PROFESSIONAL SKILLS

- Domain Knowledge:Ansys,CatiaV5
- Software Knowledge:Python
- Others:Googlesuite,Microsoft Office
- Database Knowledge:Mysql

PROJECT

Modeling and Optimization of automotive mufflers   Jan2023-Apr2023
- Various muffler configurations were simulated to optimize noise reduction and performance.
- Results revealed that designs with organized baffles and specific perforation patterns exhibited improved acoustics attenuation and pressure loss ,suggesting potential advancements in muffler efficiency.
- Technologies Used:CatiaV5,CFD.

Analysis of Belleville Spring
- Through Finite element analysis ,the stress,deflection and deformation of the spring are studied,with results compared to analytical solutions.
- The project highlights the design and performance characterstics of Belleville springs under varying loads.
- Technologies Used:SolidWorks,Ansys.

CERTIFICATIONS

CNC Turning machine- Siemens   Aug2021-Aug2021

Manufacturing-Welding-Siemens   Sep2022-Sep2022

A 2 days project based training program on BIPED **WALKING ROBOT WORKSHOP**- Skyfy   Jan2020-Jan2020

PERSONAL TRAITS

- Communication (verbal, written).
- Optimistic and disciplined.
- Strong in organizational skills.

- Problem solving, logical thinking and quick learning skills.

HOBBIES

- MOVIES: Interested in watching thriller movies.
- Listening Music
- Playing Cricket

LANGUAGE COMPETENCIES

Telugu: Native language, English: Fluent, Hindi: Fluent.