DEFENSE AEROSPACE ENGINEER

Abhishek Bhosale

Pune, Maharashtra
abhishekbhosale2773@gmail.com
(+91) 9767442535

Professional Summary

- Trainee Engineer with mechanical design and **sheet metal expertise.**
- Proficient in **SolidWorks** for precise modeling and design.
- Pursuing M. Tech in **Defense Aerospace** Engineering.
- Skilled in Teamwork, Analysis, **Problem Troubleshooting** and technical documentation support
- Knowledgeable in Computational Fluid Dynamics (CFD) processes using Ansys Fluent, with theoretical and practical experience in simulating fluid flow and heat transfer for design optimization

Career Objective

To build my career by working with a global Aerospace industry in the field of Research & Design with an attitude of learning and apply my understanding and knowledge to contribute growth of the organization
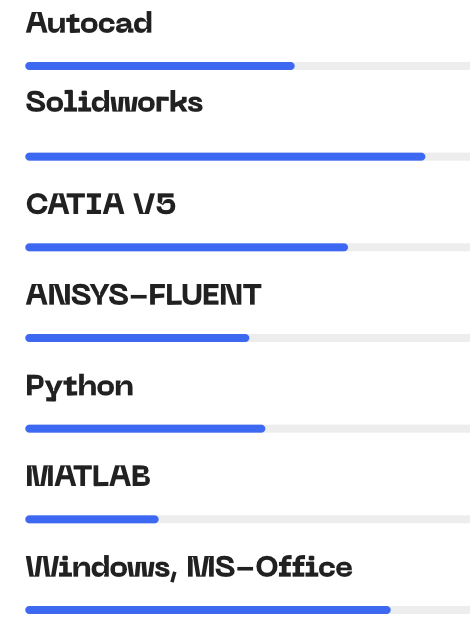
Employment

2022 – 2023   **Trainee Engineer, Jayashree Enterprises. Pune, Maharashtra**

- Assisted in mechanical design projects using CAD software, ensuring precision and adherence to specifications.
- Collaborated with engineering team to develop and test innovative mechanical solutions.
- Specialized in sheet metal design using SolidWorks, creating detailed and accurate models for manufacturing.
- Conducted detailed analysis and troubleshooting to improve design efficiency and performance.
- Supported the creation of technical documentation and reports for design validation and implementation.

2024- Present   **Research and Development Intern (Defence) KCTI (Bharat Forge Ltd), Pune**

- Focuses on research and development for underwater vehicles.
- Utilizes advanced computational fluid dynamics (CFD) for design and analysis.
- Engages in the design, simulation, and validation of vehicle features.
- Aims to improve performance and efficiency in underwater operations.
- Conducts thorough calculations to ensure safety and operational standards in maritime defence technology.

Projects Undertaken

Automatic Weight Separation Machine :

The proposed sorting system in this paper uses weight as sorting criterion. The fabricated machine aims at using the mechanical and the electronic comp. by their mutual co-ordination .load cell arrangement has a preeminent position in system . The sorting system presents a precise ,reliable, consistent ,and quantitative sorting based on weight of the object.

Software & Skills

Autocad

Solidworks

CATIA V5

ANSYS-FLUENT

Python

MATLAB

Windows, MS-Office

Education

2018 – 2022
TSSM's College of Engineering, Pune, Maharashtra
B.E. (Mechanical), Engineering, Apr. 2022

2023- Pursuing
Veermata Jijabai Technological Institute (VJTI), Mumbai, Maharashtra
M.Tech, Defense Aerospace