

Aashay Desai

Mechanical Engineer

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Organized Mechanical Engineer with Gold Medal in Bachelor of Technology (2022) now a student preparing MS in Mechanical Engineering Sem III at Purdue University Northwest – Hammond Campus Indiana. Seeking career opportunity in design and development to add value to organization with my skills and knowledge.

Education

- 2022 - 08 to Current** • **Master of Science: Mechanical Engineering (CGPA 3.73)**
Purdue University Northwest, Hammond – Indiana.
- 2016 - 07 to 2022 - 05** • **Bachelor of Technology: Mechanical Engineering (CGPA 3.85)**
NMIMS Mukesh Patel School of Technology Management and Engineering.
Gold Medal awarded by University – August 2022 for securing 1st place.
Certificate Of Merit issued by University for being in the Meritorious Student list and for being **rank holder in all** semesters.
Certificate of Honor awarded for securing first rank.

Projects

- MS (PNW)**
- 2D Analysis of an Airfoil (December 2022)
 - Modelling and analysis of a steel table frame using Ansys APDL (October 2022)
 - Computational Fluid Dynamics Analysis of Flow through T-Junction of Pipe (December 2022)
 - Computational Mathematics (II) Project (April 2023)
 - Airfoil Vibration Analysis (October 2022)
- B-Tech (NMIMS)**
- Generative Designed Laptop Stand (September - October 2020)
 - Electricity Generating Tile (July 2020 – May 2021)
 - Additive Manufacturing of Spectacles with 3D glasses extension (April – May 2020)
 - Fingerprint Sensor Door lock (December 2019 – January 2020)

Work History

- Internship** **Endress+Hauser (India) Pvt. Ltd.**
- 2021 - 12 to 2022 - 04** • Worked in various process verticals like Production, Quality, Sensor Testing & Logistics etc.
- 2021 - 06 to 2021 - 11** • **Bipin Pharma Equipments (India) Pvt. Ltd.**
• Worked on project to modify existing production machines to minimise direct and indirect production costs.

Publications & Appearances

- Wrote research Paper on “**A Deliberative Conception of Six Sigma**”. MPSTME, Mumbai India 2019 – 09 to 2019 – 12, under the guidance of Prof. Mohan Bodkhe.
Presented this paper at the 5th International Conference on Industrial Engineering SVNIT College Surat (2019).
Published in 5th ICIE 2019 ref: https://drive.google.com/file/d/1Oy8-GHNM14ljL-0l_AgBcgmyIBIYSSLF/view
- Wrote research Paper on “**Experimental Analysis Of Performance Of Centrifugal Pump**” MPSTME, Mumbai, India. 2019 – 01 to 2019 – 03, under the guidance of Prof. Umair Siddiqui.
Presented this paper at 8th National Conference on Recent Development in Mechanical Engineering MES College Pune (2019). Published in IOSR Journal of Engineering (IOSR JEN) 2019
ref: <http://www.iosrjen.org/Papers/Conf.RDME-2019/Volume-1/3.%2020-27.pdf>

Skills

- Critical Thinking and Problem Solving
- Fast Learner
- Flexibility and Adaptability
- Collaboration and Team work
- Ability to work under pressure
- Effective Time Management

Software Skills

ANSYS	● ● ● ● ●
Workbench	Excellent
AutoCAD	● ● ● ● ●
	Excellent
SolidWorks	● ● ● ● ●
	Excellent
Microsoft Office Suite	● ● ● ● ○
	Very Good
Microsoft Excel	● ● ● ● ○
	Very Good

Languages

English	● ● ● ● ●
	Excellent
Hindi	● ● ● ● ●
	Excellent
Marathi	● ● ● ● ●
	Excellent