

HASAN VALLIN

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. Python developer

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SUMMARY

As a dedicated and detail-oriented mechanical engineer, I bring a robust foundation in the principles of engineering, physics, and material science. With a Bachelor's degree in mechanical engineering, I have developed strong analytical and problem-solving skills, supported by hands-on experience in designing, developing and testing mechanical systems and components. My proficiency with CAD software, such as AutoCAD and SolidWorks, allows me to create precise and innovative designs that meet client specifications and industry standards.

KEY SKILLS

AutoCAD, SolidWorks, CATIA, FEA tools (ANSYS, Abaqus), Python, HTML, SQL, CNC machining, Welding, 3D printing.

EDUCATION

Bachelor's of Technology – Mechanical Engineering – CGPA 6.0 – MITS, MADANAPALLE.

ACADEMIC PROJECTS

PROJECT 1-DESIGN AND ANALYSIS OF A HEAT EXCHANGER

- To design a shell-and-tube heat exchanger for a chemical processing plant and perform thermal and structural analysis to ensure efficiency and safety.
- **Software used:** ANSYS (for thermal and structural analysis), SolidWorks (for CAD modelling), MATLAB (for initial calculations and simulations)
- **Duration:** 4 Months

Team size: 4 members

PROJECT 2-LOW-COST ELECTROPLATING CELL

- To design and build a cost-effective electroplating cell for small-scale, high-quality metal plating applications.
- Successfully built a low-cost electroplating cell capable of high-quality metal plating.
- Achieved uniform and adherent plating for various metals, with a significant reduction in costs compared to commercial solutions.
- **Duration:** 3 Months

Team size: 2 Members

EXTRACURRICULAR ACTIVITIES

- Member of Environmental Awareness Club – 2021
 - Volunteer work in Team NSS.
 - Event coordinator.
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ADDITIONAL INFORMATION

Languages Known: English, Telugu, Hindi