Nain Gourang Chawla

📞 +91 93637 28415 | ✉ naingc654@gmail.com | 🔗 Nain Chawla | ⭕ nainchawla | 🌐 Portfolio Website

EDUCATION

Hyderabad, Telangana - 500006, India

Degree	Institute	Board / University	CGPA/Percentage	Year
B.Tech Mechanical	Vellore Institute of Technology, Vellore	VIT	8.76 (Till Sem 6)	2022-2026
Senior Secondary	Meluha School	CBSE	89.2%	2022
Matriculation	Pallavi Model School	CBSE	90.4%	2020

EXPERIENCE

- **Daimler India Commercial Vehicles Pvt. Ltd.** *May 2025 - July 2025*
  Project Intern Oragadam - Chennai, India
  - Reduced MBOM creation lead time by 50% by automating manual tasks using VBA scripting, streamlining workflows and improving efficiency.
  - Developed a strong understanding of MBOM structure and its manufacturing relevance, and designed future-state workflows for extended automation.

- **XIBOTIX Pvt. Ltd.** *November 2024 - May 2025 | July 2025 - Present*
  Mechanical Design Intern VIT Vellore, India
  - Developing the hand rehabilitation device and robotic arm and finger mechanisms of the humanoid through rapid prototyping and iterative design processes.
  - Managing all aspects of 3D printing, including modeling, slicing, and quality control, for prototype and production purposes.

- **Enmac Systems Pvt. Ltd.** *June 2024 - July 2024*
  HVAC Design Intern Chennai, India
  - Gained hands-on experience in HVAC system design and project development, including heat load calculations and AutoCAD-based drafting.
  - Designed and implemented HVAC solutions by performing detailed heat load assessments and optimizing system layouts using AutoCAD.

- **Team RoverX (Creation Labs)** *September 2023 - Present*
  Media and Management Lead VIT Vellore, India
  - Led team's expo organization and execution, ensuring success. Create engaging social media content to improve online presence.
  - Developed and implemented media strategies to increase the team's visibility and engagement in competitions and on-line platforms. Produced and edited videos for competitions.

PROJECTS

- **Lean Manufacturing in HVAC | Python and Data Visualization** *March 2025*
  Python in HVAC
  - Developed a Python tool for quality assessment in HVAC, automating humidity and enthalpy calculations.
  - Implemented real-time Excel logging and visualizations for data-driven decision-making.
  - Applied Lean principles to enhance efficiency and reduce errors in HVAC analysis.

- **Affordable Robotic Glove for Rehabilitation | Prosthetics** *February 2025*
  Vortex 360 Designathon, Autodesk Fusion VIT Vellore, India
  - Designed a low-cost robotic glove for leprosy patients and finger amputees, aimed at improving accessibility to prosthetic solutions.
  - Integrated servo motor control, powered by a battery, control board, potentiometer, and ESP sensor, with pressure sensors to regulate grip strength.
  - Designed for additive manufacturing, making it lightweight, cost-effective, and easy to assemble.

SKILLS

- **Mechanical:** Technical Drawing, Manufacturing, 3D Printing
- **CAD:** SolidWorks, Fusion 360, AutoCAD
- **Programming:** Python, Java, VBA
- **Tools:** Excel, Figma. Canva
- **Soft Skills:** Teamwork, Leadership, Problem solving

CERTIFICATIONS

- Certified SolidWorks Associate (**CSWA**) *3DEXPERIENCE*
- **MATLAB** Course Completion *MathWorks*