

PERSONAL DETAILS

ADITYA CHORMALE

Mechanical Engineer

☎ :8080406385

✉ : adityachormale93@gmail.com

📍 Solapur, Maharashtra, India 🌐 :

LinkedIn:

<https://www.linkedin.com/in/aditya-chormale-a28193371>

🔗 : Design and analysis:

https://drive.google.com/drive/folders/19QXjIS3EzndK_t7vU5rtYkaMlpprgwKJ

TECHNICAL SKILLS

- AutoCAD (Intermediate)
- CREO (Intermediate)
- ANSYS (Intermediate)
- MS Office (Intermediate)
- Java Infosys Certified (Intermediate)
- Mechanical Design & Simulation
- Material Selection
- Non-Destructive Testing (NDT),
- Thermal Analysis,
- Project Management

SOFT SKILLS

- Leadership
- Teamwork
- Communication
- Time Management
- Adaptability
- Creativity

LANGUAGES

- English - Fluent
- Marathi - Proficient
- Hindi- Proficient

INTERESTS

- Cricket
- Event Coordination
- Music
- Traveling
- Treading
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STRENGTHS

- Strong Communication
- Self-Motivated
- Flexible
- Honest
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PUBLICATION

Chormale, A. (2025). "Composite Materials and Testing Software for Space Applications." Presented at the International Conference on Multidisciplinary Research, Gulbarga

CAREER OBJECTIVES

I am a Mechanical Engineering graduate passionate about HVAC systems, design engineering, and sustainable technologies. I'm seeking an opportunity to apply my technical knowledge, CAD/design skills, and problem-solving mindset in a practical environment. My goal is to gain hands-on experience in core mechanical systems and contribute effectively to real projects while continuing to learn from experienced professionals. Proven leadership as U-19 district cricket team captain and recognized for innovation with the Inspire Award. Adept at leveraging technical and soft skills to deliver impactful engineering solutions.

EDUCATION

Bachelor of Technology (Mechanical Engineering) – 2026

Shri Vithal Education & Research Institute, Pandharpur | 67%

DIPLOMA - 2023

Shri Vithal Education & Research Institute,(poly) Pandharpur | 83.38%

SSC – 2020

Manjari High-School Manjari | 82%

PROJECTS & INDUSTRY EXPOSURE

Design of a Shell-and-Tube Heat Exchanger

- Used design codes (ASME)
- Calculated LMTD, flow rates, pressure drops
- Created CAD model in PV Elite & AutoCAD
- Thermal simulation in ANSYS

Design And Fabrication Of Advanced Agricultural Sprayer

- Designed multiple configurations using CAD tools and fabricated a functional agricultural sprayer. **Submitted patent applications for innovative design.**

Military Robot (Inspire Competition)

- Developed and integrated advanced sensor systems (LIDAR, infrared, ultrasonic) for threat detection. Implemented secure wireless communication for remote control in combat environments. **Winner, 2019 Inspire Award (National).**

Simulation Of Mechanical Spring Under Load (ANSYS)

- Analysed deformation and stress in helical and leaf springs. Studied load deflection behaviour and optimized design for fatigue life.

Thermal Analysis Of An Electric Battery System (ANSYS)

- Performed steady-state and dynamic thermal tests on lithium-ion battery packs. Simulated heat dissipation and identified hot spots to improve battery safety and performance.

SPAKON ENGINEERS UNIT-II (Diploma Internship2023)

Address: Gat no-624, 625 626, Ekhatpur, Sangola, Ekhatapur, Maharashtra 413307

- Design Study
- Material Selection
- Manufacturing Process
- Non-Destructive Testing (NDT)
- Mechanical Testing

CIRTIIFICATES

- Inspire Award – District & State Level
- TCS – Supply Chain Management
- Project Management & Introduction to Six Sigma
- IIT Bombay – Idea Hackathon
- Infosys – Java Essential

ACHIEVEMENTS, LEADERSHIP & ACTIVITIES • Winner, Inspire Award (2018 & 2019) • Participant, Smart India Hackathon (SIH) 2023 & 2024 • Coordinator, Quiz Competition & Model Exhibitions • Organizer, KSHITIJ 2k24 Event • Organizer, SPORT Events • Captain, U-19 District Cricket Team (State Matches)