**Amit Sharma**  
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Location: Pune, India

**Professional Summary**

Dedicated Mechanical Engineer with expertise in CAD design, manufacturing processes, and quality control. Strong analytical skills and hands-on experience in product design, automation, and prototyping.

**Education**

**Bachelor of Technology in Mechanical Engineering**  
National Institute of Technology (NIT), Pune  
Graduated: 2024

**Technical Skills**

**Design & Simulation:** AutoCAD, SolidWorks, CATIA, ANSYS  
**Manufacturing:** CNC Machining, Injection Molding, Lean Manufacturing  
**Thermal & Fluid Dynamics:** CFD, Heat Transfer, Thermodynamics  
**Programming & Automation:** MATLAB, Python, Arduino  
**Quality Control:** Six Sigma, Failure Mode and Effects Analysis (FMEA)

**Projects**

**Automated Conveyor Belt System**

* Designed and optimized a conveyor system using SolidWorks and MATLAB.
* Increased production efficiency by 25% through automation.

**Electric Vehicle Battery Cooling System**

* Developed an innovative cooling mechanism for EV batteries.
* Conducted CFD analysis to optimize heat dissipation.

**Work Experience**

**Mechanical Engineer Intern**  
Tata Motors, Pune | Summer 2024

* Assisted in designing automotive components for fuel efficiency.
* Conducted stress analysis for new prototypes.
* Collaborated with the R&D team for electric vehicle projects.

**Certifications**

* Six Sigma Green Belt (2024)
* AutoCAD & SolidWorks Certified Professional (2023)

**Extracurricular Activities**

* Member, SAE India (Society of Automotive Engineers)
* Won Best Design Award in National Robotics Competition (2023)
* Volunteer for technical workshops in rural schools

**Soft Skills**

* Strong problem-solving and analytical thinking
* Team collaboration and leadership skills
* Adaptability and project management