

Arjun Kumar

Email: arjun.kumar@college.edu

Phone: +91 98765 43213

Location: Chennai, Tamil Nadu

Roll Number: ME2021008

Education

B.Tech in Mechanical Engineering

Great Learning University | 2021-2025

CGPA: 8.7/10.0

12th Grade (State Board)

Chennai Public School | 2020-2021

Percentage: 95.2%

Technical Skills

SolidWorks AutoCAD 3D Printing Manufacturing Design MATLAB Ansys

CNC Programming

Projects

Electric Vehicle Chassis Design

- Designed lightweight and robust chassis for electric vehicle using SolidWorks
- Performed structural analysis using Ansys
- Achieved 25% weight reduction while maintaining structural integrity

Smart Manufacturing System

- Developed an IoT-enabled manufacturing monitoring system
- Implemented predictive maintenance using machine learning
- Reduced machine downtime by 40% in pilot implementation

3D Printed Prosthetic Hand

- Designed and fabricated low-cost prosthetic hand using 3D printing
- Integrated servo motors for finger movement control
- Project selected for National Innovation Exhibition

Work Experience

Design Engineering Intern - Tata Motors

Winter 2023

- Worked on electric vehicle component design
- Participated in design optimization projects
- Created detailed technical documentation

Manufacturing Intern - Saint-Gobain

Summer 2023

- Assisted in production line optimization
- Implemented lean manufacturing principles
- Contributed to quality improvement initiatives

Certifications

- ASME Certified Engineer (2024)
- Advanced SolidWorks Professional (2023)
- Six Sigma Green Belt (2023)

Achievements

- First Prize in National CAD Competition 2023
- Best Design Award at Engineering Project Expo
- Team Lead - College Formula Student Team