

PROFESSIONAL SUMMARY

Recent B.Tech graduate in Robotics & Artificial Intelligence with a strong foundation in Mechanical Design, Product Development, CAD Modelling, and Manufacturing Engineering. Proficient in CATIA V5, SolidWorks, Creo Parametric, Siemens NX, AutoCAD, standard documentation with practical experience in designing mechanical components, assemblies, and engineering drawings. Certified in CAD/CAM (NSQF Level 6) and experienced in CNC programming fundamentals, 3D printing, PLC-Based Automation, Cognex DataMan barcode scanners and Camera machine vision. Passionate about innovative product design and eager to contribute as a Design Engineer in the automotive and engineering industry.

CORE TECHNICAL SKILLS

CAD & Product Design	Mechanical Design	Manufacturing & Analysis	Software
CATIA V5	3D Part Modeling	CAD/CAM	Microsoft Excel
SolidWorks	Assembly Design	CNC Programming (Basic)	Word
Creo Parametric	Engineering Drawings	Manufacturing Processes	PowerPoint
Siemens NX	GD&T (Basic)	3D Printing	
AutoCAD	Design for Manufacturing (DFM)	ANSYS (Basic)	
	Product Development		
	BOM Preparation (Basic)		
	Tolerance Analysis (Basic)		

PROFESSIONAL EXPERIENCE

Service Engineer

Emergence System | June 2026 – Present

Intern

Emergence System | Dec 2025 – May 2026

- Assisted in machine assembly, PLC panel wiring, and industrial equipment installation.
- Supported PLC programming, HMI development, and automation system integration.
- Participated in machine commissioning, testing, troubleshooting, and system validation.
- Configured and tested Cognex DataMan barcode scanners and Camera machine vision applications.
- Worked with mechanical components, sensors, actuators, and industrial control systems during project execution.
- Collaborated with design and automation teams to support manufacturing and machine development activities.

ACADEMIC PROJECTS

Gesture-Controlled Robotic Arm

- Designed the mechanical structure and assembly of a robotic arm using CAD and 3D Printing software.
- Integrated mechanical components for smooth and accurate movement.

Hybrid Power Generation System

- Designed and developed a hybrid renewable energy model integrating solar and piezoelectric systems.

Automatic Stand Slider

- Designed a motorized mechanism for automated stand position adjustment.

EDUCATION

B.Tech – Robotics & Artificial Intelligence (2026)

Jawaharlal Nehru Engineering College | 72.70% (CGPA: 8.02)

Diploma – Mechanical Engineering (2022)

Government Polytechnic Aurangabad | 77.35%

CERTIFICATIONS

- Master Certificate in CAD/CAM (NSQF Level 6)
 - Tata Technologies Electric Vehicle Training
 - CNC Programming (Lathe)
 - Automation Champion Certification Program
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ACHIEVEMENTS

- 1st Prize – CATIA FEST 2025
 - Runner-Up – Razzmatazz 2025
 - 3rd Prize – Quizzta 2025
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LEADERSHIP & RESPONSIBILITIES

- Committee Member – Indian Institution of Industrial Engineering (IIIE), 2025
- Event Coordinator – Business Ideas Competition, IIIE
- Team Leader – Department at a Glance, Razzmatazz 2025
- HOD Nominee – Student Chapter, Razzmatazz 2025
- Member – Robin Hood Army (2023–Present)