

# Arushi Kumari

Aspiring AI Engineer | Diploma in Mechanical Engineering

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**Summary**      A Mechanical Engineering diploma student from Bihar, who is driven by curiosity and impact. I have experience with design tools, maintenance work, and I have self-studied AI technology like Python, basics of a machine, and robotic simulation. I am keen on making intelligent systems that will grasp your community, especially in marginal areas.

**Education**      **Diploma in Mechanical Engineering**      2023 - 2026  
Gandhi Institute For Education & Technology, Odisha

- Coursework: Engineering Drawing, Manufacturing Processes, CAD/CAM, Machine Design.
- Current standing: Completed 4 semesters.

**Secondary Education (CBSE)**      2023  
Gyansthali High School  
CBSE - 86.6%

**Core Skills**      **Programming:**  
Python, C++

**Design Tools:**  
AutoCAD, Fusion360, SolidWorks, Fusion 360 CAM

**Software:**  
MS Excel, MS Office

**Languages**      English  
  
Hindi

**Certifications**      **AI Fundamentals**  
IBM

**Generative AI**  
Google Cloud

**AutoCAD Certification**  
Alison

**CAD/CAM Certification**  
Autodesk

<b>Projects</b>	<b>AI Image Classifier (Python, TensorFlow)</b>	
	Developed a model that identifies images with trained accuracy. Performed data preprocessing and model tuning.	
	<b>AI Chatbot Assistant (Python)</b>	
	We developed a chatbot that works offline for responding to basic queries using NLP.	
	<b>AI Robotic Arm Simulation (Python + OpenCV)</b>	
	A robotic arm moves with the help of gesture recognition.	
	<b>AutoCAD Drafting</b>	
	I created drawings of machine parts using orthographic projections and added tolerances.	
	<b>Fusion 360 Component Designs</b>	
	I created 3D models of mechanical components with appropriate dimensions and constraints.	
	<b>CAM Simulation</b>	
	An imitation of machining operations and toolpaths for the manufacture.	
<b>Industrial Training</b>	<b>NCC Limited</b>	<b>15 June 2025 - 30 July 2025</b>
	Maintenance Engineer Intern	SWSM Project, Hardoi, U.P.
	<ul style="list-style-type: none"> <li>Completed an intensive 45-day practical training on the State Water and Sanitation Mission (SWSM) project, gaining field-level engineering experience.</li> </ul>	
	<ul style="list-style-type: none"> <li>Helped run and take care of important water supply infrastructure like pump rooms, overhead tanks, and tube wells.</li> </ul>	
	<ul style="list-style-type: none"> <li>Gained hands-on knowledge of the installation and working of solar pumps.</li> </ul>	
	<ul style="list-style-type: none"> <li>I adhered to engineering and safety rules for mechanical fittings and component assembly.</li> <li>The Construction Manager praised participant for being on time to work every day and willing to learn.</li> </ul>	
<b>Volunteering</b>	<b>STEM Tutor – Community Teaching Initiative.</b>	<b>2022 – Present.</b>
	<ul style="list-style-type: none"> <li>I educate the children of my neighborhood science, maths, and computer.</li> </ul>	
<b>Awards</b>	<ul style="list-style-type: none"> <li>Completed four professional certificates in AI and CAD.</li> </ul>	
	<ul style="list-style-type: none"> <li>Completed industrial internship at NCC Limited.</li> </ul>	
	<ul style="list-style-type: none"> <li>Teachers approve of having strong initiative and self-learning ability.</li> </ul>	
<b>Interests</b>	<b>Video Editing</b>	
	<b>Story Writing</b>	
	<b>Cycling</b>	
	<b>Art</b>	