

# 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.

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## 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%

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## Core Skills

### Programming:

Python, C++

### Design Tools:

AutoCAD, Fusion360, SolidWorks, Fusion 360 CAM

### Software:

MS Excel, MS Office

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## Languages

English

Hindi

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## Certifications

### AI Fundamentals

IBM

### Generative AI

Google Cloud

### AutoCAD Certification

Alison

### CAD/CAM Certification

Autodesk

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**Projects****AI Image Classifier (Python, TensorFlow)**

Developed a model that identifies images with trained accuracy. Performed data preprocessing and model tuning.

**AI Chatbot Assistant (Python)**

We developed a chatbot that works offline for responding to basic queries using NLP.

**AI Robotic Arm Simulation (Python + OpenCV)**

A robotic arm moves with the help of gesture recognition.

**AutoCAD Drafting**

I created drawings of machine parts using orthographic projections and added tolerances.

**Fusion 360 Component Designs**

I created 3D models of mechanical components with appropriate dimensions and constraints.

**CAM Simulation**

An imitation of machining operations and toolpaths for the manufacture.

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**Industrial Training****NCC Limited****15 June 2025 - 30 July 2025**

Maintenance Engineer Intern

SWSM Project, Hardoi, U.P.

- Completed an intensive 45-day practical training on the State Water and Sanitation Mission (SWSM) project, gaining field-level engineering experience.
- Helped run and take care of important water supply infrastructure like pump rooms, overhead tanks, and tube wells.
- Gained hands-on knowledge of the installation and working of solar pumps.
- I adhered to engineering and safety rules for mechanical fittings and component assembly.
- The Construction Manager praised participant for being on time to work every day and willing to learn.

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**Volunteering****STEM Tutor – Community Teaching Initiative.****2022 – Present.**

- I educate the children of my neighborhood science, maths, and computer.
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**Awards**

- Completed four professional certificates in AI and CAD.
  - Completed industrial internship at NCC Limited.
  - Teachers approve of having strong initiative and self-learning ability.
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**Interests****Video Editing****Story Writing****Cycling****Art**