

# Soumyadeep De

Indian Institute of Technology, Jodhpur, India  
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## Education

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<b>Indian Institute of Technology, Jodhpur, India</b> Bachelor of Science in Applied AI and Data Science	Nov 2024 – Present
<b>Jalpaiguri Government Engineering College, West Bengal, India</b> Bachelor of Technology in Computer Science and Engineering (CSE)	Jul 2024 – Present SGPA: 9.33
<b>Bishnupur High School, Bankura, India</b> Higher Secondary – WBCHSE	July 2022 - Feb 2024 Marks: 95.6%

## Projects

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<b>Voice-Activated AI Assistant with Gesture-Controlled Game</b>	May 2025
<ul style="list-style-type: none"><li>Python, Libraries used : OpenCV, MediaPipe, Pyttsx3, Webbrowser, speech recognition.</li><li>Virtual Assistant with voice commands for web browsing, basic tasks and Rock Paper Scissor game.</li></ul>	
<b>Augmentrix (Google AI Solution Challenge 2025)</b>	Apr 2025
<ul style="list-style-type: none"><li>Built using Unity Engine, Blender, and C#.</li><li>Interactive app for specially-abled children to assist in virtual learning.</li></ul>	

## Technical & Communication Skills

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**Programming:** Python, C, C++, JavaScript, LaTeX, HTML, CSS  
**Software:** MS Excel, MS PowerPoint  
**Operating Systems:** Windows, Macintosh  
**AI Tools:** GeminiAI, NaPkin-AI, draw.io, Julius AI, Socr AI, Replit, Grok, Chart.js, Flourish  
**Soft Skills:** Leadership, Versatility, Time Management, Public Speaking  
**Languages:** English, Bengali, Hindi

## Publications

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- Soumyadeep De, Abhidha Dutta, Ranit Roy, Amitava Ray. *Sustainable Internet of Things: A Case Study. (Under Review)*
  - Soumyadeep De, Reeddy Chatterjee, Upayan De, Amitava Ray. *An IoT-based Sustainable Energy Efficient Automated Lighting System. (Under Review)*

## Volunteering

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- Placement Coordinator at Training and Placement Cell, Jalpaiguri Government Engineering College.

## Achievements

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- 1st Runner-up in **Smart India Hackathon 2024** (Software Edition)
- Regionalist in West Bengal Regional Science and Technology Congress(2024-25)
- Secured AIR 336 Rank in ISI BS-DS Entrance Exam (2024)

## Extra-Curricular Activities

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- Puzzle enthusiast; specializes in 3x3 cubes, mirror cubes.
- Have won various Quizzes and Debate Competetions at intra- and inter-school levels.