

# Muskan Kumari

Ambala, Haryana ☎+919306848438 ✉muskangsc7@gmail.com in 🌐 GitHub 📁 Portfolio

## Education

- **B.Tech Electronics & Communication Engineering** (2019-2023)  
Chandigarh Engineering College, Mohali, Punjab Marks: 88.6
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## Work Experience

- **Indian School of Robotics, Chandigarh** **July 2023 - Present**  
STEM and Robotics Educator
    - Conducted projects involving microcontrollers (Arduino Uno).
    - Worked with sensors & drivers.
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## Projects

1. **Power Generation from Footsteps**
    - Used microcontroller AT89S52, CSI IDE from Keil Compiler.
    - Converted footsteps into electric current without conventional energy sources.
  2. **Image Captioning Deep Learning Project** Source code
    - Utilized models like ResNet50 and Long Short-Term Memory.
    - Backend implemented with Flask.
  3. **Double Acting Compressor-Based Oxygen Concentrator Patent**  
Developed to store ample compressed oxygen, aiding hospitals during emergencies.
  4. **Robo Car Singing National Anthem and Moving**
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## Skills

Python, Arduino Uno, C++, Micro-bit, HTML, Django

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## Achievements

- Contributed to a promising project during SIH (Smart India Hackathon).
  - Third prize in inter-college debate competition & presentation on stubble burning.
  - Published research paper on exploring power drives for industrial applications.
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## Hobbies

- Origami folding. • Playing badminton. • Stargazing and constellations. • Blogging on Medium.
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