Mayank Tiwari

CONTACT

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: Jawahar Nagar,263149,
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EDUCATION

- B.TECH, ELECTRONICS AND COMMUNICATION ENGINEERING
  2023 - 2027
  BIPIN TRIPATHI KUMAON INSTITUTE OF TECHNOLOGY
- INTERMEDIATE & HIGH SCHOOL
  2022-2023 / 2020-2021
  HIMALAYAN PROGRESSIVE SCHOOL

CAREER AIM

As an embedded systems enthusiast and competitive programmer, I aim to develop efficient, real-time solutions that enhance automation and accessibility. By leveraging my skills in C++ and microcontroller programming, I strive to create impactful technologies for societal benefit.

EXPERIENCE/TRAINING

- **Industrial Training in "Embedded Systems using Arduino UNO by ENSINO RESEARCH AND DEVELOPMENT".** Jun 2024-Aug 2024
  I Gained hands-on experience with Arduino UNO for sensor interfacing, motor control and real-time systems. Built mini-projects including automated lighting and obstacle detection systems.
- **Project Intern at " ITC limited"** Jul 2025
  "Built an IoT-based UPS temperature monitoring system using ESP32 and DS18B20 sensor during a 4-week industry project at ITC Limited, enabling real-time data acquisition and monitoring."

ACHIEVEMENTS

- Winner of Robo Race Competition held at Himalayan Progressive School in 2020.
- Winner of Circuit Debugging Competition held at Bipin Tripathi Kumaon Institute of Technology.
- 2nd runner up in Tech Quiz Competition held at Bipin Tripathi Kumaon Institute of Technology.
- Top 5% in LeetCode Contest Ranking with peak rating of 1866,solved 400+ problems
- Top 15% in GFG contest Ranking with peak rating of 1735,solved 300+ problems
- Achieved PUPIL Rank in codeforces with rating of 1460.

TECHNICAL SKILLS

- Embedded Programming
- Programming Languages: C++,Python,C,MATLAB
- DSA
- Circuit Simulation

PROJECTS

- **HAND GESTURE TO VOICE CONVERTER USING ARDUINO UNO**
  Developed a wearable prototype using Arduino Uno and flex sensors to translate hand gestures into corresponding voice outputs. Integrated sensor readings to recognize specific finger movements and mapped them to pre-defined audio commands, enabling gesture-based communication for assistive technology.

ADDITIONAL INVOLVEMENTS

- I love to play football to maintain my physical fitness and I was under-17 state level football player .
- I like to solve general reasoning problems in my free time to improve my logical thinking.