

Nishita Kadian

 nishita-kadian

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Education

2019–Present **Bachelors**, *Thapar University*, Patiala-India, **CGPA: 9.22**.
Specialization: Electronics, Instrumentation and Control Engineering

Projects

- 2020 **Micro-controller based LPG Detection System**, *UTA014: Engineering Design-2, Dr. Ashutosh Mishra*.
- Programmed Arduino Uno with MQ-6 Gas detection sensor along other electronics to detect gas concentrations from 200 to 10000ppm.
 - Reduced tentative cost to the minimum possible by trying all possible gas sensors, piezo buzzers and LCD displays.
- 2020 **Ultrasonic blind walking stick**, *UTA014: Engineering Design-2, Dr. Ashutosh Mishra*.
- Programmed Arduino Uno with Ultrasonic Distance Sensor (HC-SR04) and Piezo buzzer to detect obstructing objects between 2cm to 80cm and a 15° V-shaped angle centered around y-axis.
 - Experimented and tested the model using Autodesk Tinkercad.
- 2020 **Irrigation system**, *UTA025: Innovation and Entrepreneurship, Dr. MD Singh*.
- Proposed an irrigation system powered by solar energy using solar panels.
 - Moisture Sensor to detect when to start and stop watering the fields using an automatic irrigation module [yet to be designed].
 - pH Sensor for detecting when the soil needs fertilizers.

Skills

Languages C/C++, MATLAB
Softwares Autodesk Tinkercad, Autodesk Eagle, Autodesk Autocad

Achievements/Awards

- Hackerrank Recieved Gold Badge in Problem Solving and C++ on Hackerrank.
- LeetCode Solved around 300 questions on Leetcode.
- Scholarship Awarded TIET Merit Scholarship Year 2021-22 for outstanding performance in academic year 2021-22 with CGPA of 9.39
- TIC 2021 *Tata Imagination Challenge 2021*, Organized by Tata Sons, certificate of participation
- UHT 2021 *Uber HackTag 2.0*, Organized by Uber, cleared 3 rounds, certificate of participation
- IHC 2022 *Innovaccer's HackerCamp 22 powered by Microsoft*, Organized by Innovaccer, certificate of participation
- Taekwondo Recieved Gold medal twice in Chandigarh State Open.
Gold and Bronze medal in State Schools Tournament by Education Department, Chandigarh Administration

Links

Hackerrank /nkadian_be19
LeetCode /NK04