



KARTIK VASHISHT

Electronics and Communication Engineering

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Career Objectives: The future objective and aims of my life are to gain as much knowledge as I can and use that knowledge in implementing solutions and engineering things that can help in solve in daily life problems. I am enthusiastic about electronics and communication and want to explore deep in this field. I want to contribute toward making the world a simpler, better, safer place. So I want to learn and work with new skills, fields, gadgets and experts in my future.

Education:

| Exam | Institution | Year of Passing | GPA or % | | | | |
|----------------------------------|---|-------------------------------|----------------------|-------------------|-------------------|-------------------|-------------------|
| | | | 5 th S | 4 th S | 3 rd S | 2 nd S | 1 st S |
| B.Tech. | NIT, Kurukshetra | 2020 (still not completed) | 9.0 | 9.592 | 9.4 | 9.48 | 9.14 |
| | | | Aggregate CGPA: 9.38 | | | | |
| | | | 89.8% | | | | |
| 12 th Board (RBSE) | Navodaya Bal Sr. Sec. School, Kota, Rajasthan | 2016 | 89.8% | | | | |
| 10 th Board (CBSE) | Cambridge School, Srinivaspuri, New Delhi | 2014 | 10 | | | | |

*S - Semester

Projects:

1. Made a prototype on Smart Irrigation System based on soil moisture and temperature that can be controlled automatically and manually from a remote location.
2. Created a TIC-TAC-TOE with the help of Basic Image Processing using Python.
3. Gesture Controlled Robot using Accelerometer and Bluetooth Sensor, controlled using remote or Self Made Mobile App (using MIT app inventor).
4. Obstacle Detection and Avoidance Robot using ultrasonic sensor.
5. Created Smart lighting, Christmas lighting, Emergency alarms and many models using Arduino.
6. Created a Best-out-of-Waste Hydraulics bridge using syringe and ice cream sticks.
7. Created an Electricity Generator using Dynamo and rotating wheel.
8. Designed Line-Following Robot with and without microcontroller.