

VARNIT SINGHAL

Final Year B.Tech Student

Electronics & Communications Engineering

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CAREER OBJECTIVE

To work in a firm with a professional work driven environment where I can utilize and apply my knowledge, skills which would enable me as a fresh graduate to grow while fulfilling organizational goals.

ACADEMIC QUALIFICATIONS

YEAR	DEGREE	INSTITUTE	PERCENTAGE/CGPA
2015-present	B.TECH in Electronics and Communications Engineering	HMRITM, Guru Gobind Singh Indraprastha University, DELHI	79.40%
2015	CLASS XII , CBSE	LFPS Sec. School DELHI	82.4%
2013	CLASS X , CBSE	SVSVM , Ghaziabad	CGPA=9.4/10

INDUSTRY ORIENTED TRAINING

- **COMPANY** : LASER SCIENCE & TECHNOLOGY CENTRE (DRDO)
- **PROJECT** : VISUAL COMMUNICATION Via LASER Using MORSE CODE
- **DURATION** : 44 days (14th June-2018 to 26th July-2018)

TECHNICAL SKILLS

- Fundamental Concept and Techniques used in **Digital Electronics**
- **Programming Languages:** Basics of C, C++, Embedded C, PYTHON
- **Tools and Technologies:** AVR Studio, ARDUINO, MIT App Inventor, Proteus.

ACADEMIC PROJECTS

1. SMART ROAD

- **Platform:** AVR Micro-Controller (ATMEGA-16), Ultrasonic Sensor
- **Description:** This system for controlling the speed of vehicle near important area like schools , colleges or where speed should be a limit to avoid unwanted accidents.

2. VISUAL COMMUNICATION

- **Platform:** ARDUINO UNO, Laser Diode and LDR
- **Description:** This project is based on MORSE CODE for visual communication from one system to another with the help of laser diode.

3. SMART GLOVES

- **Platform:** ARDUINO UNO, Flex Sensor
- **Description:** Generally dumb people use sign language for communication but they find difficulty in communicating with others who don't understand sign language. This project aims to lower this barrier in communication. So here an effort has been made to develop a SMART GLOVE using Arduino IOT Kit for Morse code detection from real-time hand gesture which decode morse code and convert It into text and speech.

PERSONAL DETAILS

- Date of Birth : 9th December 1997.
- Address : F1, West Jyoti Nagar, Shahdara Delhi-110094.
- Language Known : English ,Hindi.
- Nationality : Indian.
- Hobbies : Yoga, Playing Chess, Gardening.

DECLARATION

I am an energetic person with a strong will power and "can do" spirit. I do hereby declare that the above information is true to the best of my knowledge.

VARNIT SINGHAL