# Soniya Shukla

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**Objective:** i am a final year student passionate to learn new thing and want to work with brilliant mind in field of **Electronics and IT. Having good** command in data structures and algorithms.As a competitive programmer and **6\* coder on hackerrank at problem solving section.**

## Key Skill Set

- C (programing language).
- Knowledge of python and libraries(matplotlib , numpy, pandas) and rudiment knowledge about software development cycle methodology.
- Working experience on digital and analog circuit design by using vhdl and verilog.
- Experience on Printed Circuit Board from schematic to manufacturing.
- Working knowledge of MS Office tool  (Word, Excel, power point, etc).
- Basic knowledge of data communication and computer network(tcp/ip, l2,l3,l4, troubleshooting and testing).
- Microcontroller, computer architecture and memory interfacing.

## Technical Skill Set

**Programming language:**         C programing and Python
**Hardware descriptive language:**   VHDL, Verilog, system Verilog, ngSpice
**Operating system:**              linux,unix
**PCB design:**                 Autodesk Eagle, easyEDA, proteus
**Software for VLSI and FPGA:**    xilinx, cadence,vivado

## Internship/ Project Experience

1. **Research intern at Dexterity Global Group:** As a research intern my main objective to collect the data of any dexterity platform so I choose Dexconnect( platform for needy students), and design a website by using HTML, CSS and JavaScript.
1. **SWORD(S**afety of **W**omen from **R**ape **D**rug**)**
   - This is final year project made for safety of women from Rape date drug which is nowadays used by criminal.
   - This project will detect the drugs and unconsciousness of victim and send the information to their relatives by using GSM module.

2. **Automatic floor cleaner**

- The project was made by using power electronic components and connected by Bluetooth.
- Extensive use of Arduino programming language to detect the obstacles.

3.  **Women safety alarm**
- It was made by using 8051 microntroller for safety purposes.
- Programing used in this project was MIC and the GPS was fitted in alarm.

4.  **Virtual piano**
- It was made by using NI LabVIEW in which the schematic programming was done on the software.

## Award and extra curricular activities

1. **Inspired awarded by GOI :** it is the scholarship provided by government of India to the meritious students across India to make the solution of the problem in rural area regarding to agriculture and mini business.

2. 2. **D2C annual award competition:** This is a 70 rated quiz competition where I hold 134th rank overall and first rank holder from college.

3. **Sports week winner:** badminton winner and throwball winner in sport week event organized in college campus.

## Educational Qualification

| Qualification | Institute/Board | Year | Percentage |
|---|---|---|---|
| B.Tech. (Electronic system eng) | National Institute of Electronics and Information Technology, Aurangabad | 2017-2021 | 80% |
| Intermediate | UP Board | 2016 | 92.4 % |
| High School | UP Board | 2014 | 86.7% |

| Examination Name | Score |
|---|---|
| Jee advance( IIT ) | 148/360 |
| Jee mains | 112/360 |