

# PALAK KHUSHU

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in palakkhushu

## Skills

### Technical Languages

C  
C++  
Python  
HTML  
CSS  
Bootstrap

### Technologies

Image Processing (Beginner)  
Signal Processing

### Simulation Tools

MATLAB  
Arduino IDE  
Proteus EDA  
Adobe Photoshop

### Hardware

Arduino  
LPC 32-bit ARM based microcontroller  
8051 Microcontroller

### Languages

English (Professional working proficiency)  
Hindi (Native Proficiency)  
Kashmiri (Native Proficiency)  
Spanish (Elementary proficiency)

## Awards

Runner-up Firodiya Karandak	Feb. 2019
Honourable Mention- UNSC	Apr. 2018
SSLA Model UN	

An enthusiastic Electronics and Telecommunication Engineer with interest in learning, integrating and problem solving. Seeking a challenging position to learn, create, innovate and simultaneously contribute to the goals of the organization effectively.

## Education

### Pune Institute of Computer Technology

B.E. Electronics and Telecommunication Engineering 2021

CGPA: 8.33/10 (Till 5th semester)

### Presentation Convent Hr. Sec. School

12TH (SSC) 2017

88%

### Presentation Convent Hr. Sec. School

10TH (HSC) 2015

84.8%

## Projects

### Air Quality and Weather Monitoring System

- Created a data monitoring system which acquired, logged and analyzed real-time data from analogue as well as digital inputs.
- The system featured four sensors interfaced with ArduinoMega and Arduino IDE was used to read and process the data from the sensors.

### Earthquake Generation and Detection by Mimicking Seismic Waves

- A representation of earth's crust was made, fitted with motors and sensors to generate and detect earthquakes using Arduino Uno.
- The signal control and conditioning was done using ArduinoIDE, and the output was the magnitude of earthquake with suitable warnings.

## Certifications

### Programming For Everybody (Getting Started with Python)

Credential ID-8D7GDBN6B7H2

## Activities

### IDHANT Non-profit · Planning Manager

Jan. 2019 to Jan. 2020

Responsible for the preparing Idhant's entire year plans and for their smooth and effective execution along with NGO collaborations and representing the team to legal departments.

### PICT-MUN Club · Chief Content Officer

Feb. 2019 to Feb. 2020

Responsible for designing and developing the agendas, guides and rules of procedure for the Model UN and other side events.

### PICT IEEE Student Branch · Event Organizer

June 2019 to June 2020

Getting participants and registrations for the event along with designing the arena and the side event.

### PICT Art Circle · Member

Jan. 2018 to Current