



Roll No. BT16CSE009  
Bachelor of Technology  
Branch: Computer Science  
National Institute of Technology,  
Uttarakhand

**PANKAJ PUNDIR**  
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## OBJECTIVE

Seeking a position in engineering environment, where I will gain knowledge and skill for better productivity of myself and the organization.

## EDUCATIONAL QUALIFICATIONS

Examination	Board/ University	School/Institute	Year of Passing	CGPA/%
<b>B. Tech. (CSE)</b>	National Institute of Technology, Uttarakhand	National Institute Technology, Uttarakhand	2020	8.69
<b>Sen. Secondary</b>	Central Board of Secondary Education	Vivekananda School, Dehradun	2015	91.6
<b>Matric</b>	Central Board of Secondary Education	Vivekananda School, Dehradun	2013	10

## AWARDS AND ACHIEVEMENTS

- Participated in **Pseudo-coding TECH MEET** 2016 and achieved 1<sup>st</sup> prize.
- **Innovation Competition:** Project **Dexterous** got selected for **INNOVATION COMPETITION** held in National Institute of technology Uttarakhand (2017 -2018).
- **Idea** of our team **Nefarious** got Selected for **Final Phase** of **Road Safety Hackathon** organized by **Indian Road Safety Campaign, IIT Delhi, United nations institute of training and Research at IIT Guwahati (2019)**.
- Completed **Data science with python** course from Udemy.

## WORK EXPERIENCE

Summer Research Intern at IIT Ropar	21st May – 13th July 2018
Summer Research Intern at IIT Ropar	23st May – 10th July 2019

## PROJECTS

### 1. Instant Attendance

**Technologies:** PHP, CSS, JavaScript

Online platform is created to mark attendance parallelly. Teacher will create a code and share with the present students. Students can mark their own attendance on the server with the code.

This reduces the attendance time to 20 seconds or less. Can be implemented within local network and online.

## 2. **Hand Gesture Detection and Mouse Control** (ongoing)

**Technologies:** Python, OpenCV

This project is designed for identifying hand gestures to control computer. Color coding is used to detect the hand gesture with computer vision. Thus, controlling the mouse pointer and buttons with specific gestures.

## 3. **Fig Sense: Fully automated Graph Reader**

**Technologies:** Python, OpenCV

This project is designed for extraction of information from chart images. Currently the software is made to classify and extract **bar and line chart images**. The software will readout the content using basic **text summarization**.

## 4. **Malaria Detection - Deep learning**

**Technologies:** Python, OpenCV, Keras

The project is used to automate the **malaria detecting process** by providing the image of red blood cells of the patient. It is an intensively manual process which is being automated with deep learning.

## TECHNICAL SKILLS

**Operating Systems:** Windows, Linux,

**Programming Languages:** C++14, Python

**Tools and Software:** PyTorch, Keras, Kivy, Git, Pandas, Numpy, matplotlib, OpenCV

## PARTICIPATION IN INSTITUTE ACTIVITIES

- **Technical Coordinator** for Computer Science Department at National Institute of Technology Uttarakhand (2017-2018).
- **Coordinator** of Computer Science Tech team of annual cultural fest **CLIFFESTO 2018** of National Institute of technology Uttarakhand.
- **Event Head:** Successfully organized the **PRODYOGEEKY** annual **TECH MEET 2017** held at National Institute of technology Uttarakhand (2017 -2018).
- **Coordinator** for **Kodesk** – an official programming club of National Institute of technology Uttarakhand.

## EXTRA CURRICULAR ACTIVITIES

- **Codathon Ambassador:** ambassador of MNIT Bhopal's online coding competition organized with **Hackerearth** (during their Annual Fest).
- **InterviewBit Campus Ambassador:** Handling a Nationwide event **codersBit** for the college NIT Uttarakhand.
- Competitive Coding ( hackerrank, codechef )

## HOBBIES

- Solving riddles.
- Meditating.
- Competitive Coding.
- Watching Movies

## **PERSONAL DETAILS**

**Father's Name:** Mr. Bharat Singh Pundir

**Permanent Address:** B-160, Sector -4, Defence Colony, Dehradun, Uttarakhand, 248001

**Languages Known:** Hindi, English

**Declaration:** I hereby declare that all the details furnished above are true to the best of my knowledge and belief.

**Pankaj Pundir**