Pankaj Pundir

Department of Computer Science & Engineering,
National Institute of Technology, Uttarakhand 246174.
Cell: +91-7895289895   E-mail: pankaj369.cse16@nituk.ac.in

Area of Interest

Computer Vision, Machine Learning, Artificial intelligence, Data Structures and Algorithms

Educational Qualification

National Institute of Technology (NIT), Uttarakhand, India   **08/2016-present**
Bachelor of Technology, Computer Science & Engineering (5th Sem.)   *9.05 CGPA*

- Network Security   - Data Structures & Programming
- Algorithms   - Operating Systems
- Data Science   - Machine Learning

Central Board of Secondary Education, New Delhi   **04/2014-03/2015**
Vivekanada School, Jogiwala, Dehradun
Senior Secondary School, *91.6%*

Central Board of Secondary Education, New Delhi   **04/2012-03/2013**
Vivekanada School, Jogiwala, Dehradun
Secondary School, *10 CGPA*

Technical Skills

- ➢ **Languages:** C, C++, Python
- ➢ **Database Systems:** MySQL
- ➢ **Environmental Packages:** OpenCV, Pandas, Numpy, Kivy
- ➢ **Web Development:** PHP, JavaScript
- ➢ **Deep Learning:** PyTorch, Keras

Current Project

- ❖ **Currency Classification and Description**
  Technologies: Machine Learning, OpenCV, Python

  Synopsis: The project is designed for automation in currency detection and finding its denomination value. Very useful in currency exchange center and embassy. Helps in keeping track of the exchange of different currencies.

- ❖ **Hand Gesture Detection and System Control**
  Technologies: Python, OpenCV

  Synopsis: This project is designed for identifying hand gestures to control computer. This will eliminate the need of mouse as well as keyboard, efficiently usage of computer resources by applying multi user for single system.

- ❖ **Synchronous Traffic Control**
  Technologies: Python, OpenCV

Synopsis: The designed system schedules the traffic in an efficient manner with known future inputs. This method Is very much promising for heavy traffic countries and give more security as advance features like **accident detection** is implemented.

Recent Projects

❖ **License number extraction using OpenCV**
   Technologies: Python, OpenCV

   Synopsis: The project is designed for extraction of license plate number in real time. It tackles various challenges like rotated plate, real time traffic. It uses OpenCV and Tesseract – OCR to implement text extraction method.

❖ **Fig Sense: Fully automated Graph Reader**
   Technologies: *Python, OpenCV*

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

Awards and Achievements

- Recognized for excellence in academic and co-curricular activities during university studies. Always counted among top 10% students of the entire university academically.
- Completed 2 month project internship at IIT Ropar under the guidance of Dr. Puneet goyal.

Extracurricular

- Technical Coordinator (CSE) **2017-2018**
- Coordinator (CSE) Cliffesto **2018**
- Event Head (PRODYOGEEKY TECH MEET 2017 NITUK) **2017**
- Coordinator Kodesk Club NITUK **2017-2018**
- Joint Secretary of Kodesk Club NITUK **2018-2019**
- Codathon Ambassador (online coding competition MNIT Bhopal) **2018**

Personal Information

D.O.B:	20/01/1998
Marital Status	Single
Language Known	English, Hindi

Date: 20/12/2018

Pankaj Pundir

Candidate