Pankaj Pundir

pankaj-pundir.github.io
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EDUCATION

NATIONAL INSTITUTE OF TECHNOLOGY, UTTARAKHAND
B.Tech in Computer Science
2016 - 2020
Srinagar (Garhwal), Uttarakhand
CGPA: 8.7 / 10

VIVEKANANDA SCHOOL
1.2 Vivekananda School
Intermediate - 91.6%
June 2015| Dehradun,Uttarakhand, India

VIVEKANANDA SCHOOL
1.3 Vivekananda School
Matriculation - CGPA 10/10
June 2013| Dehradun,Uttarakhand, India

LINKS

Github:// **pankaj-pundir**
LinkedIn:// **pankaj-pundir**
pankaj-pundir.github.io

COURSEWORK

UNDERGRADUATE
Data Structures & Programming
Algorithms
Operating Systems
Artificial Intelligence
Database management System
Network Security
Computer Vision & Image Processing
Neuro Fuzzy Techniques

SKILLS

PROGRAMMING
Python • C • C++ • Javascript
Angular7 • MySQL • LaTeX
Tools and Libraries
PyTorch • Pandas • CSS • scikit-learn
Keras • OpenCV • Seaborn
Familiar:
Airflow • Github • Docker • Jupyter Notebook

EXPERIENCE

BANK OF NEW YORK MELLON | Software Engineer (Intern)
Jan 2020 - Present | Pune, India | 6 month Intern

IIT ROPAR | Research Intern
May 2019 – Jul 2019 | Punjab, India
- Chart classification using Deep learning
- Analysing different research work.
- Implemented Region based text categorization technique.

IIT ROPAR | Research Intern
May 2018 – Jul 2018 | Punjab, India

- Done Research and derived a method for Data Extraction and classification of line and bar charts.
- Write technical reports or other documentation
- Design and deliver technology to assist people with disabilities.

ACHIEVEMENTS

2019 Finalist of Road Safety Hackathon organised by Bosch at IIT Guwahati
2018 Kodesk Coordinator– an official programming club of NIT Uttarakhand.
2017 Technical Coordinator: CSE Department at NIT Uttarakhand
2017 Successfully organized the PRODYOGEEKY annual TECH MEET
2017 Ambassador of MNIT Bhopal's coding competition - Hackerearth

PROJECTS

SWIFT-CONTROLLER | A Computer Vision based mouse controller
Python, OpenCV
Designed for identifying hand gestures to control mouse inputs. Color coding is used to detect the hand gesture with computer vision. A specially designed glove is used to feed visual input to computer.

POCONET | A pathway to Safety
Python, OpenCV, Yolo (object detection)
Designed a system - POthole COnvolution Network to automate the process of detection of potholes for road assessment. Real time video feed is provided to the network, which is then preprocessed and feed into YOLOv2 for detection. **POCOnet Demo**

FIG SENSE | Fully automated Graph Reader
Python, OpenCV, Machine Learning, Kivy, PyTorch
Designed for extraction of information from chart images. Deep Learning model are used for classification. Currently the software is made to classify and extract bar and line chart Information with computer vision Technique.

MALARIA DETECTION
Python, OpenCV, Keras
Automate the malaria detecting process by providing the image of red blood cells of the patient.