Yash Bafna
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ACADEMIC DETAILS

Examination	Board/University	Year	Percentage/Grade
B.Tech (Information Technology)	NIT Raipur	2014-2018	8.66/10
CBSE (HSSC)	MVM	2014	87%
ICSE(SSC)	St. Xavier's School	2012	84%

TECHNICAL SKILLS

- Python, OpenCV, keras (intermediate),tensorflow (intermediate), Google cloud VM, Matlab

WORK EXPERIENCE

- **Research Intern** (NIT Raipur)
  (May'17 - June'17)
  - Implementation and validation of various machine learning optimization algorithms .
  - Implementation of deep learning algorithms.

PUBLICATION

- **Automated Boundary Detection of Breast Cancer in Ultrasound Images using Watershed Algorithm**
  (Springer's Advances in Intelligent Systems and Computing)

  - https://doi.org/10.1007/978-981-10-7386-1_61

PROJECTS

- **Lung cancer detection and classification**
  (Mar'18)
  - It detects the lung's cancerous mass from CT scan images and classifies it into malignant and benign.

- **Hand Gesture Recognition**
  (June'17)
  - It detects the motion of hand along with skin segmentation and hence does simple mathematical operations based on gestures.

- **Dog Breed Classifier**
  (May'17)
  - It classifies the dog's breed by computing the image. It is trained on dataset which contains four breeds of dog. It uses computer vision as well as machine learning algorithms.

- **Book Detector**
  (Mar'17)
  - It is based on image processing techniques along with machine learning algorithms which detects covers of the book and prints name of the book along with author's name.

CERTIFICATIONS

- PyimageSearch Gurus *(Jan-July'17)*
- Introduction to Computer Vision | Master OpenCV 3 in Python *(Oct'16-July'17)*
- Learn MATLAB with Image Processing from scratch! *(Oct'16-Nov'16)*
- Python Training *(Dec'15-Jan'16)*

ACHIVEMENTS

- National Science Exhibition, NIT Raipur *(Oct-Nov'16)*

- Secured 4th position

EXTRA-CURRICULAR ACTIVITIES

- Member of Technical committee of NIT Raipur for 2015-2016 responsible for Media Design.

- Member of Sahyog – The Mentorship Club of NIT Raipur for 2015-2016 responsible for Media Design and mentorship.

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