Suyog Jadhav

BTech (Second year)
Electronics Engineering
Indian Institute of Technology, (ISM) Dhanbad

Examination	University	Institute	Duration	Grade/%
2nd Semester	IIT (ISM), Dhanbad	IIT (ISM), Dhanbad	2017 - 21	87.50
Intermediate/+2	HSC Maharashtra	MCASC, Shivajinagar, Pune	2015 - 17	83.23
Matriculation	CBSE	JNV Pune	2010 - 15	98.00

Looking for UG research opportunities in the field of Deep Learning. Fairly experienced in machine learning, deep learning, and computer vision. Worked with TensorFlow, Keras, OpenCV, dlib, Numpy, Pandas, Matplotlib, Scikit-learn. Can code fluently in Python (2/3), C++, C, and MATLAB/GNU Octave. I also have a bit of background in Natural Language Processing and Competitive Data Science.

Projects

◴ **T. A. L. K.** *Oct. 2018*

Working on a startup idea in a team of three members that promises something that has never been achieved before. Using **recurrent neural networks** in combination with advanced conducting fibers and other hardware sensors as the core technologies. Most of the work is under NDA at this stage. **Working prototype yet to come.**

✔ **WalkSafe** *Oct. 2018*

An application that alerts unaware pedestrians and those with hearing disabilities if a car is approaching them. Has applications ranging from helping reduce the no. of accidents occurring due to pedestrians carelessly crossing the streets with earphones on, alerting players of VR/AR games (for e.g., Pokemon Go) of oncoming cars to allowing people with aural impairments cross the streets with ease. We call it **WalkSafe**.

✔ **DriveSmart** *Aug. 2018*

A smart system for cars that alerts the driver with visual cues and audio alerts when the driver gets distracted from the road or is drowsy. Used TensorFlow, OpenCV and dlib. A startup funded by **CIIE, IIT (ISM) Dhanbad**. Due to legal limitations, only the multithreaded real-time object detector is open-sourced (here).

✔ **FaceSearch** *Jul. 2018*

Created a command-line tool that takes an image, detects faces in it, lets the user select one and then tries to establish the identity of the person by performing Google reverse Image search on the face. Used **OpenCV**. Implemented in Python.

➲ **The complete list of projects** can be found on my Github profile.

Positions of Responsibility

AI Team Member, Cyber Labs *Dec. 2017 - Present*

A core member of the AI team of **Cyber Labs**, the official cyber society of IIT (ISM), Dhanbad. Cyber Labs is the initiative of IIT (ISM) students on the footsteps of MIT Media Labs, MIT. Our team focuses on working on various projects that use ML, DL or in general, any field of AI.

Blogger, ML Endeavours *Apr. 2018 - Present*

Personal blog. I blog about created projects and machine learning, in general.

Certifications

- **Advanced Machine Learning Specialization** *by HSE - National Research University on Coursera*
  1. Introduction to Deep Learning (with Honors)
  2. How to Win a Data Science Competition: Learn from Top Kagglers (with Honors)
- **Deep Learning Specialization (5/5 Courses)** *by deeplearning.ai on Coursera*
- **Machine Learning** *by Stanford University on Coursera*

Skills

- **Development:** Machine Learning | Deep Learning | Convolutional Neural Networks | Recurrent Neural Networks | Fine-tuning pre-trained models | Computer Vision | Competitive Data Science | Audio Processing | Image/Video Processing
- **Languages:** Python 3 | Python 2 | C++ | C | Matlab | GNU Octave | CSS
- **Tools & Libraries:** Regex | Keras | TensorFlow | OpenCV | dlib | Git | Linux | Scipy stack | Pandas | Matplotlib | Scikit-learn | XGBoost | PyTorch

Contact Info

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