

# Ashish Mokalkar

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## SUMMARY

- Deep Learning developer with 2 years of experience in developing deep learning models for Computer vision tasks like **Object Detection, Object Classification, Scene Segmentation** with state-of-the-art techniques like **YOLO, SSD, Faster RCNN**.
- **Tuning** the state-of-the-art Deep Learning techniques to perform custom computer vision tasks according to requirements.
- Experience in Improving the current setup in terms of **speed using multithreading** in low level language like **C(pthread, mutex, semaphore)**.
- Experience of solving real world problems using artificial Intelligence technology with hands on experience on deep learning frameworks like **Caffe, Keras, Pytorch**.
- Able to navigate in large codebase. Experience with Version Control tools.

## HONOURS AND AWARDS

- Won **KUDOS AWARD** at **Mobiliya Technologies** for exceptional Contribution to a project in the field of **Artificial Intelligence and Deep Learning**.
- **NASSCOM Technology Explorer Award** among 5000 competitors in [NASSCOM TechNgage](#) 2016, and won **prize money of INR 2 lakhs(USD 3000)**.
- **Finalist** from more than 200 teams in **Synechron Artificial Intelligence hackathon**.
- Secured rank in **top 5%** in [ENIGMA, CodeFest'16](#), IIT BHU - **Machine Learning Hackathon**.
- Among **top 4%** in **IndiaHacks-Machine Learning** organised by hackerearth.com
- **6<sup>th</sup>** from 60 teams in [Urban Hackathon for Bangalore Government](#) organized by **hackerearth.com** in Oct'15
- **Winner** of **ACM** sponsored **Smart City Hackathon** 2015 organized by MMCOE, Pune
- **Winner** of Android application development Hackathon in **Melange'15**, **VIT, Pune**
- **Winner** of **Appitech Spark-tech'15**, an android app development hackathon at Anantrao Pawar College, Pune
- **Winner** of 3-days Hackathon organised by **Texephyr'2014**, **MIT college, Pune**.
- Runner up in **IEEE Credenz'14** in **Software Development Competition**, PICT.

## WORK EXPERIENCE

### Software Engineer(Deep Learning)

### Mobiliya Technologies (July 2016 -present)

- Worked on identifying empty parking spaces from CCTV footages using **Nvidia's JESTON TX1**.
- Developed car detection model with Nvidia's deep Learning platform DIGITS using **KITTI** dataset using Caffe deep learning framework.
- Extensively worked on Nvidia Libraries like **CUDA, CUDNN, TensorRT** to improve performance of the model.
- Also worked on sending this data to Cloud server using Node Js Rest API.

## Machine Learning Research Intern

Iknowlation Research Labs(Oct'15- June'16)

- Developed an android application “Negative news no more” which would show real time news which are happy,inspiring, motivating to have positive impact on society.
- Trained a **Multinomial Naive Bayes classifier** to classify each news article into one of the three classes - positive impactful, negative impactful, no impact.
- **Used Natural Language processing, Classification algorithms, Ensemble Learning, NLTK.**

## EDUCATION

- BE (Computer Engineering) June 2012 – May 2016 **CGPA – 8.8**

## PUBLICATIONS

- **Negative news no more – classifying news articles on the basis of social impact(IJRAT, E-ISSN: 2321-9637)**  
Link :<http://www.ijrat.org/downloads/ncpci2016/ncpci-12.pdf>

## Certification

- **Machine Learning from Stanford University on Coursera**  
(<https://www.coursera.org/account/accomplishments/certificate/UTP6BT4WANXK>)
- Currently enrolled in **Deep Learning using Tensorflow course by Google on Udacity .**

## TECHNICAL SKILLS

### Programming Languages

- C
- C++
- Python
- R programming
- NodeJs
- REST API

### Frameworks and libraries

- Caffé
- Keras
- Tensorflow
- Scikit-learn

## EXTRA-CURRICULAR ACTIVITIES

- Danced in ADICTION'14, ADICTION'15, ADICTION'16, cultural event at PICT.
- Volunteered in IEEE CREDENZ'13 at PICT.
- Volunteered in Impetus and Concepts'14 at PICT.