

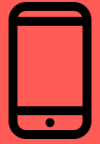


## SANJYOT S. ZADE

### SENIOR DATA SCIENTIST



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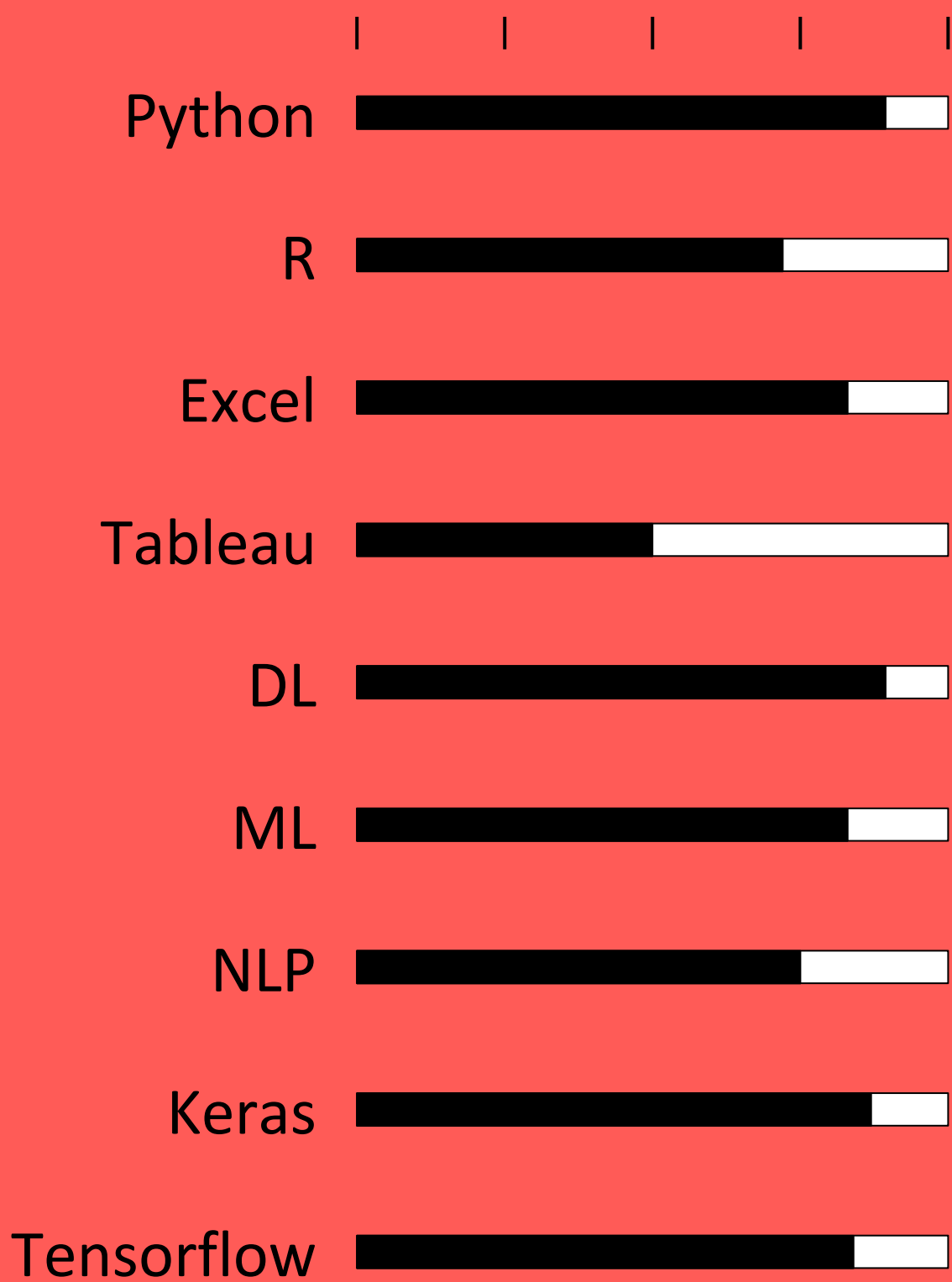
Malad West, Mumbai



linkedin.com/in/sanjyot-zade

Aspiring for challenging tasks in deep learning applications & AI development

### TECHNICAL SKILLS



### Awards and Courses

- Completed all courses in deeplearning.ai by Andrew Ng
- Won Bronze medal representing IIT KGP in Inter-IIT football tournament, and several interhall medals

### HOBBIES



### EDUCATION

**BTech - MTech Dual Degree in Electrical Engineering**

2011-2016

Indian Institute of Technology, Kharagpur

Post graduation in Instrumentation & Signal Processing

### EXPERIENCE

**Youplus Inc.**

Oct18-Present

Leading computer vision team in development of image & video based solutions for extracting high definition meta-tags in video

- **Computer vision development**
  - Intensity of facial expression identification
  - Automated thumbnail generation for video
  - Nudity detection in video, non-temporal CNN model
  - Activity detection, spatio-temporal feature extractors in video
  - Image deburring/denoising and Image super-resolution
  - Facial Expression identification
  - Smoking, drugs and arms detection in the video
- **Other development**
  - Product's "Model extraction" from e-commerce's taxonomy (NLP)
  - Forced alignment, text alignment to audio (Speech)

**Quantphi Analytics solutions**

Jun16-Oct18

**Video Processing Product**

Nov17-Oct18

Lead a technical team in development of AI powered video intelligence tool which generates high-def meta tags from video

- **Face Recognition & Face Profiling** Aug17-Sep17
  - Automated face detection-tracking-encoding-recognition
  - Tiny faces & 29 Layer Resnet/facenet for face encoding
  - 4 Layer DNN for face recognition achieved 92% accuracy
  - Detecting age-gender with squeeze-net neural network trained on wiki and imdb dataset with an accuracy of 82%
  - Open pose NN implementation for full/half body detection
- **Custom feature detection** July17-Oct17
  - Trained CNN model Retina Net to detect brand logo like NIKE, Adidas etc with precision of 92.5%
  - Custom object detection by training Faster RCNN-Inception ResNet to identify objects like cigarette, trophy, NSFW etc
  - Camera angle detection, custom locale detection, generic locale detection using deep convolutional neural networks
  - Highpoint identification using audio analysis
  - Keyword detection: camera cut, speech to text and NLP

**Content Feature Analysis**

2016-2017

- NLP on 6-HGEC & 3-BGEC shows data i.e 7000\*30 min TV
- Automated NLP framework to extract characters, emotions, event using lexical analysis, POS tagging, NER, Topic Modelling-LDA, proximity analysis and word-to-vec

**Utility Applications**

2017-2018

- Photo attendance app, googleOnTap & OLA corporate track