INTRODUCTION

NAME: SUBIR
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EDUCATION

LNMIIT
BTECH. IN ELECTRONICS AND COMMUNICATION
April 2017 | Jaipur
Cum. GPA:7.55

DPS BOKARO
12TH
June'10-June'12 |Jharkhand
Percentage:78.6

NAVYUG VIDYALAYA
10TH
April'09-June'10 |Bihar
GPA:9.8

LINKS

Github:// 99sbr
LinkedIn:// sbrvrm
Kaggle:// sbrvrm
Twitter:// @subir-sbr
Quora:// Subir-Verma

COURSEWORK

ONLINE
Deep-Learning Specialization: Coursera
Python: CodeAcademy
Machine Learning: Coursera
Basic Statistics: Coursera

SKILLS

PROGRAMMING
• Python • R

EXPERTISE
• Machine Learning
• Deep Learning
• Natural Language Processing
• Computer Vision

LIBRARIES
• Keras
• Numpy
• Pytorch
• Open-cv

FRAMEWORK
• Flask-Restplus
• Django
• PM2-Deployment

EXPERIENCE

SOCIETE GENERALE GLOBAL SOLUTION CENTRE | DATA SCIENTIST
June 2017 - Currently Working| Bangalore

- On-site visit (Paris) for one month to develop NER model for French clients. Trained two separate state of the art NLP models for Address proof and Income Proof Documents.
- Core Developer and Designer of Developer centric platform to conduct AI-related experimentation and do OCR analysis on scanned Documents.
- Designed and developed real time **document classification** via mailbox access and relevant details extraction.
- Developed **Kibana Dashboard** Visualization for data analysis on chat data.
- **Signature Detection** and Name extraction from scanned documents using Object Detection and **Spacy NER Module** .
- Built **Document Recognition** System for KYC remediation process and included uncertainty probability using Bayesian Neural Net for other category of documents.
- Built Object Detection Model using **RetinaNet Architecture** to identify Face, MRZ and signature from scanned ID cards and Passports.

DELHIVERY LOGISTICS | DATA SCIENCE INTERN
Jan 2017 – April 2017 | Gurugram, Haryana

- Wrote scrappers to crawl property data and polygon co-ordinates from different property websites.
- Implemented Google's **Inception-ResNet-V2** architecture for fraud detection through X-ray image verification.Open-MAX functionality included to scale the model to open set.

SIMPLILEND | DATA SCIENCE INTERN
May 2016 – July 2016 | Chandigarh,Punjab

- Created **Selenium Scrapers** to scrape online Net banking Account Details of User.
- Transaction Detail analysis of user to fetch relevant details for fraud detection model

PROJECTS

FRAUD DETECTION ON X-RAY IMAGES OF GOODS |DELHIVERY
Trained on 60,000 RGB X-ray images of scanned goods.Used Keras library in Python for implementing the CNN model.Trained model from scratch on GPU. Performance increased by introducing regularization and reducing LR.

SIGNATURE DETECTION AND VERIFICATION ON DOCUMENTS | OPEN DATA SET
Used Public available data set and used Tensor-flow object detection API to train the fast-RCNN model on custom tagged data of signatures.Used open source tool LabelImg to tag the data. Used Siamese network for verification step.

HATE SPEECH DETECTION | TWITTER DATA-SET
Used State of the Art NLP techniques and word embedding like BERT and ELMO to build a model to understand the context of the tweets.

RESEARCH

AUDIO WATERMARKING |IEEE SPIN | ROLE: AUTHOR
Jan 2015 |AMITY Noida, UP

SOUND SOURCE LOCALIZATION |ACPCECE-2014 | ROLE: CO-AUTHOR
Dec 2014 | JNU ,New Delhi