Vikas Bharat Kumbharkar Featured

Passionate machine learning engineer with 3+ years of experience in building a Machine learning pipeline in computer vision and NLP & CV domain. Used various NLP methods for building preprocessing and Deep learning models to extract text information.

Current Designation: Machine Learning Engineer
Current Company: TEKsystems
Current Location: Pune
Pref. Location: Pune,Bengaluru / Bangalore
Functional Area: IT Software - Application Programming / Maintenance
Role: Tech Support Engnr
Industry: IT-Software/Software Services
Marital Status: Single/unmarried
Key Skills: Python,Data Science,Machine Learning,Natural Language Processing,Deep Learning,NLP,Statistical Modeling,Computer Vision,Text Analytics,Text Mining,Data Mining,Data Extraction,Predictive Modeling

Total Experience: 3 Year(s) 4 Month(s)
Notice Period: 1 Month
Highest Degree: M.Tech [Computers]

Last Active: 22-Jan-21 Last Modified: 22-Jan-21

Jump to Section Work Experience | Education | IT Skills | Projects |

Summary

Accomplished Machine learning Engineer with demonstrated ability to deliver valuable insights via Text Processing and Computer Vision approaches.
Deployed working deep learning models with state of art technology to provide solutions in Health care, Finance domains.

Work Experience

- **TEKsystems** as Machine Learning Engineer
  Jul 2019 to Till Date

  Extraction Text from Text documents using Google Cloud Vision API and apply Natural Language Processing Techniques.
  Used state of art Techniques like GCP, RNN, LSTM deep learning models to get Financial and Business benefits.
  Onboarded with validating 30,000+ accounts in clerical reconciliation engines with the usage of pandas, PostgreSQL.
  Monitored Reconciliation engines from statistical programs for accuracy, consistency, and statistical validity.
  User testing from Ops in Break allocation to ensure the automation activity are in-line with expectations.

- **Virtuous Soft Solutions** as Machine Learning Engineer
  Jun 2018 to May 2019

  Build End to End NLP pipeline for solving various Text mining, Text Classification, Text Analysis Task.
  Research and Integrated various industrial machine learning use cases into the existing workflow.
  Build Text classification model for improving taste with usage ingredients.
  Used Geotagged information for market analysis and search efficient engines.
  Build a Machine learning pipeline into AWS, Docker, and Kubernetes.

- **System Level Solutions** as Machine learning Intern
  Aug 2017 to May 2018

  Used DICOM dataset for Lung cancer Detection and Researched various morphological and segmentation methods.
  Implemented Fuzzy Connectedness algorithm segmentation with 76% accuracy.
  Used Resampling and 3D CNN for classification with 72% accuracy.
  Identified pulmonary labeled dataset with increased segmentation accuracy upto 90%.
  With the labeled dataset CNN able to predict 96% correctly.

- **Virtuous Soft Solutions** as Cloud Support Engineer
  Aug 2015 to Jun 2016

Provided technical assistance for enterprise solutions and cloud services.
Proven ability to use a wide variety of open source technologies and cloud services like AWS, GCP, Kubernetes.
Demonstrated proficiency in Linux hands-on and debugging skills.
Analytical and predictive analysis using python libraries pandas,numpy, scikit-learn.

^ Back to Top

Education

UG: **B.Tech/B.E. (Computers)** from **Pune University** in **2015**

PG: **M.Tech (Computers)** from **Nirma Institute of Technology, Ahmedabad** in **2018**

Other Qualifications/Certifications/Programs:
Natural Language Processing in Tensorflow
Structuring Machine Learning Projects

^ Back to Top

IT Skills

Skill Name	Version	Last Used	Experience
Numpy, Pandas, sklearn, Matplotlib		2020	3 Year(s) 3 Month(s)
Deep learning,NLP		2020	2 Year(s) 2 Month(s)
Machine Learning,Deep Learning		2020	3 Year(s) 4 Month(s)

^ Back to Top

Languages Known

Language	Proficiency	Read	Write	Speak
English	Proficient	✓	✓	✓

^ Back to Top

Projects

- Project Title: Smart Optical Reader Of Text.
  Client: HSBC Software Development (India) Pvt. Ltd
  Nature of Employment: Full Time
  Duration: Aug 2019 - May 2020
  Onsite / Offsite: Onsite
  Team Size: 16
  Skill Used: Python, Machine Learning, Natural Language Processing, Text Mining, LSTM, Deep Learning
  Project Details: Usage Google Cloud vision API for Extraction text from pdf, images, word documents.
  Applied Regular Expression, Chunking, Dependency Parsing, Topic modeling, NER, Ngrams to get valuable insights.
  Used spaCy, NLTK, Gensim for tokenization, stemming, Lemmatization, pos tagging, Ngram.
  Build an NLP pipeline using pre-processing, LSTM & CNN.

- Project Title: Food and Beverages Intelligence using ingredients and taste
  Client: Virtuous Soft Solutions
  Nature of Employment: Full Time
  Duration: Aug 2018 - Feb 2019
  Onsite / Offsite: Onsite
  Project Details: Understanding and leverage various food tastes to improve quality and predict trends of food and beverages.
  Used Ingredients of foods with various recipe ratios to get the best consumer experience with NLP and Machine learning techniques.
  Created NLP Pipeline using spaCY and NLTK for tokenization, Lemmatization, TFIDF model, Word2vec, glove.
  Used NER, Topic Modelling, LSTM to understand the human perception of flavor and preferences, dividing users into different demographic groups and modeling their preference behavior or predicting what they want.
  Various user reviews were managed by the chatbot to get a better consumer experience.

- Project Title: Pulmonary Lung Classification and Lung Cancer Prediction using Fuzzy Logic and Deep Learning.
  Client: System Level Solutions
  Nature of Employment: Full Time
  Duration: Aug 2017 - May 2018
  Onsite / Offsite: Onsite
  Project Details: Used DICOM datasets for Lung cancer detection.
  Segmentation of pulmonary lung nodules and remove noise using Fuzzy connectedness algorithm.
  Given 76 % accuracy with the usage of CNN for classification.
  Identified pulmonary labeled datasets with increased segmentation accuracy to 90%
  With labeled datasets model performed with 96% accuracy.

^ Back to Top

Affirmative Action

Physically Challenged: No

Work Authorization

Job Type: Permanent / Temporary

Employment Status: Full Time, Part Time

^ Back to Top

Careers - About Us - Clients - Terms & Conditions - FAQ's - Contact Us - Report a Problem - Site Map - Resources
Our Partners: Jeevansathi Matrimonials - ICICIcommunities.org - 99acres - Real Estate In India
All rights reserved © 2021 Info Edge India Ltd.