Bharat Choudhary

Student

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bharatc9530

Education

MSc., Computer Science
Specialization: Big Data Analytics
Central University of Rajasthan
2019 - 2021 | Jaipur

B.Sc, Computer Science
Jai Narayan Vyas University
2016 - 2019 | Jodhpur, India

Skills

Languages:
C/C++, python, R-Language
Framework:
Pytorch, Tensorflow, Fastai
Databases
SQL, PostgreSQL
Tools:
Git, Tableau, Pycharm, Docker

Course Works

Descriptive and Inferential Statistics

Machine Learning and Deep Learning

Time Series Forecasting

Data Mining

Bioinformatics

Certifications

Deep Learning Specialization -Coursera

Tableau Masters - iNeuron

Using Python to Access Web Data - Coursera

Objective

Actively seeking a full time data science internship from december onward.

Experience

Dec 2019 - Jan 2020 **Intern** LinuxWorld

- Focused on developing machine learning models, parallel distributed computing (hadoop), production deployment, testing.
- Automate dependencies installation using Ansible and Dockerize an application
- Major Technology Involved :- Machine Learning + Deep Learning(facial recognization) + Big Data-Hadoop + RedHat Linux + Python and DevOps – Ansible + Dockers
- Projects Client User Automation with Python & Ansible (DevOps) over RedHat Linux from server end.

Projects

1. **Intracranial Hemorrhage Detection** –Deep learning
   - **Academic Research Project**: This project focus on automated Deep-learning solution for detection and classification of Intracranial Hemorrhage (ICH) using medical images of brain X-Ray Scans which are in the format of DICOM (.dcm)
   - Productionize deep learning models with django in web appication.
   - **Tools**: Python, scikit-learn, xgboost, keras, tensorflow, pydicom, pandas
2. **Bitcoin-price-prediction** –Time Series
   - Bitcoin-price prediction with time dependent and time invariant features using traditional time series model and deep learning solution.
   - Build end-to-end Time series modelling pipeline for feature extraction, selection and manipulation and finally make future bitcoin price forecasting.
   - **Tools**: Python, scikit-learn, scipy, pytorch, fastai, pandas
3. **Image-Captioning using InceptionV3 and Beam Search** –Machine learning
   - Describe a generative model based on a deep recurrent architecture that combines recent advances in computer vision and machine translation and that can be used to generate natural sentences describing an image.
   - Uses Beam search with k=3, 5, 7 and an Argmax search for predicting the captions of the images Using Flickr8k dataset which contain Images along with its Five descriptive text sentence
   - **Tools**: Python, keras, nltk, sklearn, numpy, pandas

Publications & Accomplishments

- Bharat Choudhary, Akhitha Babu, Upasana Talukdar “Automated ICH Detection using Ensemble MultiLabel Classifier with Imbalanced Source” in a Journal Pattern Recognition Letters submitted sep, 2020 and is under review
- Red Hat Certified System Adminstrator(RHCSA) rhel - 8

Reference

- Assistant Prof. Upasana Talukar, Big Data Analytics Department, Faculty of Computer Science, Central University of Rajasthan.