# Bharat Choudhary

Student

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## 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

- **Dr. Upasana Talukdar** Assistant Professor, Department of Data Science and Analytics, Central University of Rajasthan, India