

## Chitkara University

BE Computer Science

Aug. 2015 – July 2019

Chandigarh, India

- › Completed 4 years in Bachelors of Technology as full time student with overall percentage of 79.

## Udacity

NanoDegree in Natural Language Processing

Online Education

- › Worked on different deep learning techniques using neural networks such as CNN'S , RNN's , LSTM to accomplish the need to build language translator
- › Worked to mint sentiment from the given text , summarized the dataset and did topic modeling on top of it to convert given dataset from English to French language

## Experience

### Exl Services

Reporting Analyst

May 2019 – Present

Gurugram, India

- › Currently leading a team of total 4 employees , playing the major role in building end to end solution for extracting and validating the data of international market level prospects and giving client the best authentic leads
- › Working on development based on Python Language , building Bots/Scrappers/Spiders to crawl the data present on specific websites.
- › Used Flask framework to create a API and using Django to create the Visual Front End part.
- › Identified improvements majorly in time lapse while creating a fully automated process of enriched the prospects , that was done manually before.

### Eduwaive Foundation

Data Science Intern

Jan. 2019 – Mar. 2019

Chandigarh, India

- › Fulfilled all data science duties for a Startup.
- › Created and presented models for detection of type of random Pdf's and extraction of the data from the segregated Pdf's)
- › Created machine learning tool(Software) that extracted the printed data present on the Pdf document files to the data sheet of specific Pdf type.
- › Used Bottleneck features for training the neural net based models to increase the accuracy of the models.
- › Created and presented an end to end build software that predicts the type of Author needed to write a particular blog using twitter live tweets dataset.
- › Created model that generates the sentiments of the given bunch of tweets for specific authors
- › Used Twitter API to extract all the information and store the data in AWS bucket
- › Worked on Data Visualization and Reporting for different tweets extracted in the form of Word Clouds , Sentiments
- › Used different techniques such as Google API , Twitter API , used different libraries in Python mainly Tensorflow , Pandas , Keras , Numpy , Pillow and many more

- › Researched on building a Face Recognition Software that can be helpful for Police of Taiwan to catch a suspicious person around , with classifying on more that 250 faces.
- › Led a 4 member team over their , documented whole of the project and created a detailed report.
- › Implemented the whole pipeline by building keras library to build a neural network.

## Projects

### Flower Disease Classifier

- › Flower disease classification using CNN's(Convolution Neural Networks which helped in classifying the different kind of disease present among differnt variety of flowers.
- › Uesd keras library and on top of it used a ResNet-50 model to retrain the model on given dataset.

### Application based on Image Recognition

- › This project helps to recognize different type of flowers which a help of a camera application and depicts its ratio of the particular flower by training neural nets in GCP.
- › Technologies used: GitHub, Tensor-flow, Docker.

### Automated speech Recognition in Punjabi language

- › Worked to automate speech to text and visa-versa recognition in Chitkara University Research Center named (CURIN).
- › This project helps to recognize audio files and converts it into text format using Sphinx tool and Kaldi and also done in Sphinx tool
- › Kaldi provides a speech recognition system based C++, and the core library supports modeling of arbitrary phonetic-context sizes, acoustic modeling

## Skills

**Skilled** in teamwork, leadership, creative thinking.

**Adept** problem solving, end-to-end coding.

**Passion** for Python , SQL

**Softwares** used Ms-Office , Anaconda , Py-Charm , Tableau

**Platforms** worked on Google Cloud Platform , Amazon Web Services

## Achievements

### Academics

- › Certified Advanced Programme in Cyber Security and Cyber Forensics from QUICK HEAL ACADEMY at Chitkara university.
- › Completed a certification course on Malware Analysis by an expert from Quick Heal Academy at Chitkara university.

### Startup

- › Had started a venture based on online shopping concept

### Sports

- › Participated in Table Tennis Competitions Held at Chitkara University for 2 years.
- › Played Open State Table Tennis Tournament.
- › Secured 1st position twice in Table Tennis (District level).
- › Played Cricket Tournaments at Chitkara University as well as in school time