



# Karan Arora

karan36k@gmail.com ✉

+91 8556059020 📞

Pune, India 📍

massivefile.com 🌐

linkedin.com/in/karanaro in

github.com/Karan36k 🐙

I got fascinated by Data Science and ML from the time I was introduced to it during my internship in Taiwan. Since then, my inclination for AI has always intrigued me to learn more of algorithms, ML models and data processing. I always thrive to get information out of fuzzy data to solve the problem. I have honed my skill in this domain by clearing my concepts from scratch and by making more than 30 POCs and use cases on my website mentioned below.

[My Website](#)

## INTERNSHIPS / WORK EXPERIENCE

### National Chung Cheng University, Taiwan Machine Learning Researcher

12/2017 – 03/2018

Minxiong, Taiwan

- Implemented a model for HDR images to LDR images conversion with team.
- Trained a deep neural network with 4 hidden layer and SIGMOID as the activation function.

### Delhi Metro Rail Corporation Python Intern

06/2018 – 07/2018

New Delhi, Delhi

- Used Fask (majorly) and Django with python as the backend to deploy.
- Deployed the frontend for the Delhi metro rail corp in the 3 months of my internship.

### Webment Data Analyst Intern

03/2018 – 08/2018

Meerut, UP

- Extracted the web data(Competitors Keyword and the target content ) using Requests, urllib and BeautifulSoup.
- Visualised the data and made best predictions based on the inputs of the Cleaned data

### Cybage Softwares QA

11/2018 – Present

Pune, Maharastra

- Designed and implemented a full user impersonation framework using python (Run time 9 hrs)
- Attempted validating the data generated. Using libraries efficiently- pandas,selenium, pyautogui, tkinter, subprocess.
- Worked with the team to implement best QA practices in project

## SKILLS

Pandas, Matplotlib, Seaborn

Numpy, MongoDB, PostgreSQL

Flask, Heroku

Git Version Control

SEO, HTML, CSS

CNN, LSTM, RNN, PCA, LSTM

Classification, Regression, Association, Clustering

## CERTIFICATIONS

### Hyperparameter tuning & Regularization - Coursera

Batch Selection

Regularisation

Certificate: [Click Here](#)

### Neural Nets and Deep Learning - Coursera

Logistic Regression from scratch

Hidden layers working.

Certificate: [Click Here](#)

### Structuring machine learning projects - Coursera

End architecture of ML project.

Post Process the model

Certificate: [Click Here](#)

### IBM Certified Machine Learning with Python

Model Selection

Data Preprocessing.

Certificate: [Click Here](#)

### Python For Everyone - University of Michigan - Coursera

Building Blocks- Python

Certificate: [Click Here](#)

### Machine Learning Workshop - iit Bombay

Implemented Regression , Classification

Web Scraping

### Complete Python Delevoper - 2020

Polished old concepts

Made 5 python POCs

Certificate: [Click Here](#)

### Machine Learning A-Z - Udemy

ML modeling

2 end to end project

Certificate: [Click Here](#)

### ML, Data Science and Deep Learning | Python - Udemy

Deployment | Heroku

Tableu | Spark basics

Certificate: [Click Here](#)

## PROJECTS

### Stock Prices Prediction

- Data Source - Yahoo Finance
- Model - Logistic Regression, Activation function - Sigmoid
- Data Split - 900:100 (Total 900 shares (NSE/BSE) - 6 Month Data [Every Hour]).
- Value points - 560000000
- Quantitative value investing. Logistic Regression with Sigmoid as Activation function.
- Data Points at 50 day AMA , 100 Day AMA, 200 Day AMA, Volume.
- Give the sentiment either to BUY or SELL based on 6-month price movements.

### Search Page Ranking Prediction

- Data Source - Web Scraping (Beautiful Soup , Requests)
- Model - MLP Classier, Data Split - 80:20
- Total pages analysed = 790000
- keywords = 2100000 approximately
- Ranking keywords with high potential by predicting the CTC. .
- Extracted the Competitors Keyword and the target content using Requests, urlLIB and BeautifulSoup
- Transformed the data we need and trained the MLP Classier to predict rankings for landing pages.

## EDUCATION

**10th** - Dewan Public School (CGPA-8.8)

**12th** - Dewan Public School (84%)

### Chitkara University Chandigarh, India

2014 – 2018

7.1

- |                   |                   |
|-------------------|-------------------|
| - Data Structures | - DBMS            |
| - Networking      | - Problem Solving |
| - Engg Math       | - Programming     |

### National Chung Cheng University Chiayi, Taiwan

2017 – 2018

- |                                  |   |
|----------------------------------|---|
| - Co-work well on the project    | - Have Regular meetings and reports to mentors and advisors.                            |
| - Enjoy the research life in CCU | - Complete the project, write a final report, and deliver a formal project presentation |

## CO-CURRICULAR ACTIVITIES

### Festival Manager

NGO: Adhvan Foundation

(2014-2017)

*Volunteered to educate poor students for a full camp and managed the Competition Event in which the top performers received financial and educational help*

### Event Coordinator

NGO: UMEED

(2017-2018)

*Worked with the team and successfully coordinated Campaign Drive across Delhi Humble Cause, Educating children and locals about severity of situations regarding health and how to learn and improve the situation in the country.*

### Secretary

Toastmasters Club of Pune NE

(04-2019-10-2019)

*Involved in all administrative details between the club and members, and keeping the club's documents available and up-to-date maintained a proper decorum and ensured well functioning of the club.*

### Event Organiser

Algo Chitkara University

(2017)

*University Fest Organiser. Conducted the digital event with all the gaming activities and ensured fair play.*

### District Level Football

Dewan Public School

(2010)

*I was part of finalist team for the district level trials in meerut in which we won the first prize*

## LANGUAGES

English	●	●	●	●	○
Hindi	●	●	●	●	○
French	●	●	○	○	○

## INTERESTS



Football



Cycling



Play Chess



Travel