# Adit Negi

B.Tech. (Information Technology & Mathematical Innovations), University Of Delhi

I'm a Computer Science student from Cluster Innovation Centre, University of Delhi. A data enthusiast, avid programmer, passionate about sports in general. I enjoy solving real world problems and want to grow myself in the software field, currently looking for an internship. I have experience in Python, Django, Tensorflow, Keras, React, Redux, MATLAB, MongoDB, SQL. Proficient in English and Hindi, with good communication skills and a zeal to learn new things.

## Experience

**2019-05 - 2019-07**

### Software Engineering Intern

*Urban Pendler Solutions Private Limited, Noida, Uttar Pradesh*

- Built a comprehensive Dashboard in Django with the help of Bootstrap, Charts.js, Django Tables for data analysis and visualization of fields.
- Automated data transfer to xlxs,csv,ods,tsv,json,html from Django models.
- Developed an invoice generator and automated mailing for a new service using Py2Pdf.

**2018-06 - 2020-09**

### Software Engineering Intern

*VAU Homes, Remote*

- Built a web crawler with Selenium for real estate websites.
- Populated a MongoDB database.
- Preprocessed data and applied feature selection.
- Applied ML algorithms on the dataset to predict house prices. Practiced feature engineering , RFs and gradient boosting.

**2018-01 - 2018-02**

### Software Engineering Intern

*Artzen Software Labs Pvt Ltd, Remote*

- Worked with a data labelling API for analysing sentiments of consumer reviews .

## Contact


**Address**

1/602, Millennium Apartment, Plot-2, Sector-9, Dwarka, New Delhi, 110075

**Phone**

+91 9659691551

**E-mail**

aditnegi1@gmail.com

**WWW**

https://github.com/adit-negi

**WWW**

https://portfolioadit.herokuapp.com


## Skills

- Linux
- Machine learning
- MATLAB
- Git
- Python
- Python Django
- React.js

## Education

**2017-07 - 2021-05**

### B. Tech: Information Technology & Mathematical Innovations

*Cluster Innovation Center, University Of Delhi*

**2016-04 - 2017-03**

### English, Physics,Chemistry, Mathematics, Computer Science: 12th Grade CBSE

*Mount Carmel School - Dwarka, New Delhi*

## Major Projects

**Heuristic research using Sentimental analysis of the Oscars.**

Gathered data by scraping from twitter. Using techniques such as tokenisation and stemming, analysed the data for psychological impact of a major event on humans to change their perception. Bayesian theory was used for quantification.

**COVID modelling using SIR and SIERD models.**

Model designed to estimate the growth of COVID-19 in India and its states. Used official data provided by the government of India for quantifying the parameters of this model. All simulations were executed in MATLAB. RMES was used to calculate Beta in Python using Scipy, numpy, pandas and sklearn.

**Strategizing fantasy football, Moneyball Approach.**

Made new graphs for better analysis and visualisation of players performance by dividing the graphs into different grids on points vs cost axis. Used Gradient Boosting Trees, Stochastic Gradient Regressor and Linear Regression to regress points scored against 32 features engineered through priori.

**Textual analysis of financial reports(SEC/ EDGAR) .**

Extracted some sections from a large number of SEC / EDGAR financial reports. Performed text analysis to compute variables(positive score, negative score, polarity score, average Sentence Length, percentage of complex words, fog index, complex word count, word count).

## Sports and Extracurricular Activities

**Represented college football at**

- Inter Delhi University.
- Reliance Youth Sports Foundation.
- DTU sports fest.

**Other activities**

- Member of college coding society HashInclude.
- Participated in Convoke 2.0 Hackathon.
- Part of organising committee of Convoke 3.0 (Delhi University's biggest tech fest).
- Participated in ICPC and competitive coding contests in several colleges across Delhi.

**Predicting the unpredicted, IPL.**

Scraped data was cleaned, pre processed, normalized and assigned dummy values. Used feature selection and experiance as avid cricket watchers to narrow parameters, applied decision trees algorithm and multiple linear regression to predict the outcome.

**Vehicle Routing Problem (VRP) Travelling around India.**

This is a project that implements a simple real-life demo of Vehicle Routing Problem (VRP). The question definition is to conquer Travel Salesman Probelm (TSP) that has multiple salesmen. Python, pulp, matplotlib, seaborn, numpy, pandas were used. The data is collected by web crawling from a travel site.

**Event management React App.**

A web app to manage college events made using react, redux, firebase and bootstrap, provides both user and admin features to add and share events