



# Megham Garg


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## EDUCATION

### Bachelor of Technology (B.Tech)

Jaypee University of Information Technology

07/2016 - 07/2020

CGPA : 8.7

- ECE

## EXPERIENCE

### Full Stack Developer

Paxcom 

09/2020 - Present

- Automated the manual process of mapping similar products, and competitor products, which helped the company onboard new clients. Reduced the time required for manual mapping of products **by more than 80%**.
- Refactored the code for matching planned and live discount offers using regex, **which resulted in more than 95% reduction in error reports**.
- Improving current sentiment analysis of crawled reviews through most recent NLP research on **Aspect Based Sentiment Analysis**, BERT, and cosine similarity.
- Trained a **TensorFlow YOLO V5s** based model for custom dataset to extract brands, slogans, and discount offers from advertisement banners that were crawled through eCommerce websites.
- Performed predictive data analysis for sales on ad campaign data using XGBoost, LGBM, and Gradient Boost algorithm.


### OM/Data Analyst Intern

Amazon

02/2020 - 07/2020

- Lead a team of 48 Associates along with other Area Managers.
- Worked with SQL, statistics, and VBA to observe trends in warehouse damage datasets, and took actions around them, and **observed reduction in warehouse damage by 40% in 3 months**.

### Software Developer Intern

Oceana Tech 

06/2019 - 07/2019

- Helped 15 interns for their text analytics web-app project which used python, Django, NLP, and MongoDB.
- Made MVP websites for demo to clients in Python and Django.
- Gained skills in NLP, Django, Python, MongoDB, pandas, recommendation systems, and google charts by working on projects.

## EXTRA ACTIVITIES

I have taught 50+ students one on one through Upwork in different countries in Data Structures, Algorithms, C++, Python, and Computer vision.

## TECHNICAL SKILLS

C++

Python

Javascript

React

Django

MongoDB

PostgreSQL

Git

Postman

CSS

HTML

Bootstrap

Computer Vision

NLP

GCP

Linux

## PROJECTS

### Ustensiline an Ecommerce Platform

- Used **Django** for backend, and **React** for the front end.
- This website gives sign-in, signup, cart, user dashboard, and seller panel functionality.
- Integrated it with a Braintree **payment gateway**.

### Email Validator

- A Django powered web app where users can upload a csv containing email column, process it and download the resultant csv file.
- The resultant csv will indicate whether the email id is valid, not blacklisted, properly formatted and really exists.
- The user can upload multiple files and start processing. When the processing is complete there will be processed status next to the corresponding row of that file. User can then download the file later.

### Telegram Chat Bot coinboxfinance(CBF)

- A chat bot which mirrors the posts from official twitter account of CBF to a telegram group of CBF using **twitter API**.
- The bot also responds to users with price of a certain crypto coin using **coinmarketcap API**, and also posts crypto news at frequent intervals from **cryptocompare API**.
- This bot is currently in use by CBF a crypto space startup in USA.

### Google Form Response collector

- A desktop application made in python, which uses **google drive API**, and **google sheets API** to collect form responses.
- The user can then connect to a remote **PostgreSQL** database and map the selected response fields in the desired table to a desired column.
- This is a commercial software, currently being used by an IT firm in South Africa.

### Text Analytics Django Website:

- Took input from the front end, processed input using **NLTK** and **VaderSentiment**. At the back-end stored results in JSON file along with assigned polarity.
- Presented statistical analysis through **google charts** in front-end.

### Alpaca Trading Bot

- A python based low frequency trading bot that uses **ALPACA API**.
- The bot sends email alerts using **Gmail API** when certain conditions are met, if the type track type is alert. Else this places buy/sell orders on alpaca platform for stocks mentioned in a JSON file.
- Made several unit tests to check performance.
- Currently in use by Libisoft Technologies Pvt Ltd USA.

### WebRTC Card Game

- A WebRTC based python web app where your webcam feed is shared and the website will detect the card using OpenCV at backend assign some code to it and will send the cropped image and assigned code in frontend.
- The website also displays a video feed with blue overlay and code hovering over the detected card.

## RANKS

In Top 5% in Hack the Interview Asia Pacific contest 2020. 

In Top 3% participants in Google Code Jam Qualifiers 2021 