# Megham Garg

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### **Bachelor of Technology In ECE**

Jaypee University of Information Technology

07/2016 - 07/2020 CGPA: 8.7

# **EXPERIENCE**

### SDE-2

### TranZact

09/2021 - Present

- Helped the team maintain an average Apdex score of 0.97, also reduced the number of critical violations per month.
- Helped the team in reducing back-end average response time from 800 ms to 200 ms.
- Implemented a new home page of website to reduce the drop off of users, by better highlighting the offered value of product through an improved UI.
- Took ownership for migrating two most crucial paid modules from a
  Django template base structure to Vue.js, DRF API based
  architecture, which scaled the application to more than 3 million
  users.
- Improvised many short tech sprints which were mainly focused around fixing existing bugs, and improving user experience.
- Helped the team optimise the existing logging, code review, ticketing workflow resulting in improved team productivity.

### **Full Stack Developer**

### Paxcom 2

09/2020 - 09/2021

- Automated the manual process of mapping similar products, and competitor products, helping the company onboard new clients by reducing time required for manual mapping of products by more than 80%.
- Improved the code for matching planned and live discount offers using regex, which resulted in more than 95% reduction in errors.
- Improving current sentiment analysis of crawled reviews through most recent NLP research on Aspect Based Sentiment Analysis.
- Trained a TensorFlow YOLO model to extract brands, slogans, and discount offers from advertisement banners.
- Performed predictive data analysis on sales on ad campaign data using XGBoost, LGBM, and Gradient Boost algorithm.

### **OM/Data Analyst Intern**

### Amazon

02/2020 - 07/2020

 Worked with SQL, and statistics to observe trends in warehouse damage datasets, and took actions around them, resulting in reduction in warehouse damage by 40% in 3 months.

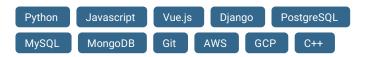
### **Softwate Developer Intern**

Oceana Tech 🗷

06/2019 - 07/2019

 Made MVP websites as demo for clients using Django, NLP, MongoDB , Recommendation Systems , and Google Charts.

## **TECHNICAL SKILLS**



### **PROJECTS**

### Utensiline 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.

### 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. Deployed on GCP using cloud scheduler and bucket on cloud storage.

### Telegram Chat Bot CoinBoxFinance &

- 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.

#### 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 using web sockets in real
  time
- The website also displays a video feed with blue overlay and code hovering over the detected card using web sockets and OpenCV.

### 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.

#### **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 weather 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.

# **OTHER ACTIVITIES**

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

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

In Top 3% participants in Google Code Jam Qualifiers 2021 &