Megham Garg

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EDUCATION

Bachelor of Technology In ECE
Jaypee University of Information Technology
07/2016 - 07/2020   *CGPA : 8.7*

TECHNICAL SKILLS

Python   Javascript   Vue.js   Django   PostgreSQL
MySQL   MongoDB   Git   AWS   GCP   C++

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 🔗

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.**

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 🔗