Megham Garg

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EDUCATION

Bachelor of Technology (B.Tech)

Jaypee University of Information Technology

2016 - 2020 *CGPA : 8.7*

- ECE

EXPERIENCE

Full Stack Developer

Paxcom

09/2020 - Present

- Automated the manual process of mapping similar products, and competitor products.
- Above feature helped the company onboard new clients.
- **Reduced the time required for mapping the products by up to 80%.**
- Refactored the code for matching planned and live discount offers, **resulted in a 70% reduction in error reports.**
- Improving current sentiment analysis of crawled reviews through most recent NLP research on **Aspect Based Sentiment Analysis, BERT, cosine similarity and RoBERTa**
- Trained a **TensorFlow YOLO V5s** based model for custom dataset to extract brands, and discount offers from advertisement banners that were crawled through eCommerce sites.

OM/Data Analyst Intern

Amazon

02/2020 - 07/2020

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

Softwate Developer Intern

Oceana Tech

06/2019 - 07/2019

- Lead a team of 15 interns for their NLP project.
- Worked with NLP, Django, Python, MongoDB, pandas, recommendation systems, and google charts.

TECHNICAL SKILLS

C++ | Python | Javascript | React | Django | MongoDB | PostgreSQL | Git | Postman | Seaborn | scikit-learn | Spacy | Pandas | NumPy | Keras | TensorFlow | NLP

PROJECTS

Instrument and vocals separation from audio

- Used a Google Colab environment.
- Used spectrograms and **ratio mask filters.**
- Read and implemented research papers of **audio source separation**, **audio fingerprinting**, **audio segmentation** and **audio classification**.

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.**

Hungry Geese

- Developed an algorithm based on **DFS and BFS**.
- Achieved **win rate of 70%** against other algorithms including **Game AI-based model.**

Heart Disease Classification

- Used **Logistic Regression** and tuned it with **GridSearchCV**.
- Achieved an **accuracy of 88.5%** on a Kaggle dataset.
- Achieved better results than KNN and RandomForest.

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.

RANKS

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

In Top 4% among 60K participants on Kaggle in a real estate price prediction contest by using XGBoost, Gradient Boosting, and LightGBM ensemble

Ranked 1747 among 10k participants in Google Kickstart 2020