Pranshu Diwan

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EDUCATION

Bachelor of Engineering, Information Technology (Mumbai University)

Vidyalankar Institute of Technology, Mumbai

06/2015 – Present   *GPA: 7.8*

WORK EXPERIENCE

Data Science Intern

Hashtag Loyalty

06/2018 – Present   *Mumbai, India*

Hashtag Loyalty offers customer engagement and marketing automation tool for local businesses. (https://www.hashtagloyalty.com/)

Achievements

- Built a communication model to optimize email send time communication and increase current open rates.
- Developed using the multi-armed bandit approach.
- Optimized all functions using multiprocessing and bought the compute time down to 10 ms from 7 seconds per user.
- Deployed the Email Model for real-time use and it is being tested on all internal email communications.
- Built a classification model to classify items into appropriate segments. Model ready to be deployed. Used a two-phase approach for the model.
- Remodeled a previously used approach with NLP and supporting libraries to classify the data as an unsupervised learning approach, using cosine similarity and clustering.
- Analyzed user data and integrated the item classification model to optimize and predict user buying behavior.
- Worked on Google Cloud Platform and set up a shared JupyterHub instance.
- (For a more detailed description please visit https://pranshudiwan.github.io) ⌞

Software Development Intern

Hexaware Technologies

06/2017 – 07/2017   *Mumbai, India*

Achievements

- Created a web app and a standalone app to perform CRUD (Create, Read, Update, Delete) operations on the employee database.
- Developed using Java, Eclipse environment, Apache Tomcat server, HyperSqlDB, Servelets, JSP, HTML5, CSS3.
- Presented my project work to the team and my project manager.

SKILLS

`Python` `Pandas` `Numpy` `Scikit-Learn` `NLP` `GCP` `Tensorflow` `Machine Learning` `Git` `C` `Leadership` `Management` `Java` `HTML5` `CSS3`

ACADEMIC PROJECTS

Movie Recommendation System

- Built an ensemble model for a personalized movie recommendation system. The ensemble model has content based, popularity based and collaborative filtering recommendation algorithms. Used the MovieLens datasets.

Item Classification (Natural Language Processing)

- Classified a database of food items into appropriate segments (veg, non-veg, drinks, desserts) using an unsupervised approach due to lack of features. Used Word2Vec, SpaCy, GloVe, NLTK and cosine similarity matrices to determine the closest category for an item.

Toxic comments classification challenge (Kaggle)

- Built a model capable of detecting different types of toxicity like threats, obscenity, insults, and identity-based hate. Trained an ensemble model consisting of algorithms like LSTM, Attention Model, Glove embedding using Keras to get an accuracy score of 0.9865 on the leaderboard.

Web application for database operations

- Transformed the existing project during my internship at Hexaware by adding new features. Added a module which updates the current database from any external excel file and pushes the changes directly to the web app. Introduced an overall search function and a whole new visual theme using my custom CSS3 style.

EXTRA CURRICULAR

Jt. Literary Secretary, Student Council

Managed a workforce of about140 students and collaborated with other secretaries in the council to create our college festival 'Verve'.

Member, Data Natives

Actively attend, participate and network in all events hosted by Data Natives, Big Data Mumbai.

Inspire to Empower, International Women's day

Celebrated International Women's day in college, guided by my department head and faculty.

Secretary General, VIT Model United Nations 2018

Chief Editor, V-Express 2018