BRIJESH SHAH

brijesh.shah41@gmail.com | (+91) 9601177815 | Ahmedabad, India | linkedin.com/in/brijesh-shah-1a00bb128/ | github.com/Brijesh41

EXPERIENCE

Software Developer Intern, Stallion Archisys *Jan 2020 - Apr 2020*

- Built a Hybrid Collaborative and Content based Recommendation system for the company using Deep Neural Networks with Keras frameworks.
- Collaborative Filtering recommend items to users based on the previous purchases of items. It provides personalized recommendations to users.
- Solved the problem of cold start upto certain extent with the help Content Based Filtering using autoencoders.
- Developed a Django Api for quick retrieval of recommendation.
- Helped the organization in attracting potential customers by showing effective proof of Concept in field of Data science

PROJECTS

Attendance Management System:

- Built a Java based Application which fetches timetable from university website using web scraping tool such as jsoup parser.
- Implementation of various attendance related functionality such as marking attendance, viewing and adding students, subjects etc. Also, Created a UI based on Java Swings.
- Used Jsoup Parser which automate the task of assign subjects to teachers.
- Resulted in decrease of 10% time consumption of students and teachers during lectures.

Hyperspectral Image Classification:

- It involved using a deep neural network for classification of the crops in a land strip image provided by ISRO using AVIRIS satellite.
- Major modules were Preprocessing of hyperspectral images, Image Augmentation technique.
- The building of convolutional neural network with various operations such as loss calculation and evaluation of accuracy.
- Created a complete pipeline for prediction and training of Hyperspectral images using a GUI using PyQt5.
- Resulted in better accuracy as well as lesser time consumption when studying crops across land fields.

Sentiment Analysis:

- This involves analysis of text present in various movie reviews and identifying the sentiment in those text.
- Achieved an accuracy of around 79% on Test dataset.
- The project involves preprocessing of text items using tokenizers and Tf-idf
- Classification of movie reviews using various machine learning models such as KNN, Naïve Bayes, SVM, Decision tree which are compared for higher computing speeds and better accurate predictions.

EDUCATION

Bachelor of Technology, Information Technology *Aug 2016 - Aug 2020*
Nirma University **GPA: 8.12/10**

SKILLS

Programming Languages:: Python, Java, C++, C
Database: MySQL, SQLite
Relevant Coursework: Database Management System, Operating System, Data Structures, Machine Learning, Digital System, Deep Learning, Design and Analysis of Algorithms, Computer Architecture, Theory of Computation.
Development Enviroments and Tools: Eclipse, Pycharm, Venv, Netbeans, Git

CODING EXPERIENCE

- Solved over 300 problems on various platforms such as Geeksforgeeks, Rated 3 Star on Leetcode(https://leetcode.com/brijesh41/) , CodeChef , Rated 5 star in problem solving on Hackerrank. (https://www.hackerrank.com/16bit128)
- Worked on Dataset Movielens to create a hybrid recommendation system for users. Notebook available on Kaggle https://www.kaggle.com/brijesh41

ACHIEVEMENTS AND CERTIFICATES

- Writer at Analytics Vidhya (https://medium.com/@16bit128)
- Ranked in Top 28% in Understanding Cloud Organization held on Kaggle using effiecient net. Ranked in Top 26% in Kannada Mnist Competetion held on Kaggle.
- Introduction to Data Science in Python by University of Michigan on Coursera