SHUBHANGI MISHRA

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TRAINING [May 2020- June 2020]

- Six weeks summer training program in machine learning at Internshala.
- The training consisted of various modules related to different machine learning algorithms such as Linear Regression, Logistic Regression, KNN, Decision Trees, Random Forest, Clustering besides topics such as selecting the right model, Feature Engineering, Basics of Ensemble Models etc., which aimed to scrutinize the performance of the apprentice.
- Worked on a project which aimed at predicting the propensity of a customer to churn in a bank using logistic regression and random forest.

PROJECTS

1. Prediction of cardiovascular disease using ML algorithms [June 2020]

- The project aims on predicting Cardiovascular Diseases in people using Machine Learning algorithms.
- The algorithms included are K-Neighbors Classifier, Decision Tree Classifier, Naive Bayes Classifier and Logistic Regression Classifier.
- Later on, comparison is done among all the respective models with regard to their accuracy.

Project URL: https://github.com/mishrashubhangi/CV_disease

2. Prediction of customer churn in a bank using ML algorithms [May 2020-June 2020]

- It is much more expensive to sign in a new client than keeping an existing one for a bank. Thus, it is advantageous for banks to know what leads a client towards the decision to leave the company.
- Churn prevention allows companies to develop loyalty programs and retention campaigns to keep as many customers as possible.
- In this project, the customers who are likely to churn balances below the minimum balance are identified on the basis of customers information such as age, gender, demographics along with their transactions with the bank.
- Different machine algorithms, such as logistic regression and random forest are used to predict the propensity to churn for each customer, along with the comparison of the accuracy for the respective ml algorithms.

Project URL: https://github.com/mishrashubhangi/ML-Projects/find/master

3. Developing a learning tool for kids using Augmented Reality [Feb 2020 – May 2020]

- The project aims at motivating and engaging children in interactive learning activities in order to promote their cognitive and social skills using augmented reality. Among new age technologies, augmented reality has a special ability to catch children's imagination and promote attention, within safe and fascinating environments.
- In this research, the three-dimensional (3D) display [augmented reality] visual display based on the computer are constructed for the students with special needs to do **"Theory of Mind"** questions.

4. Mental Stress Detection using Machine Learning Algorithms [Aug 2019-Nov 2019]

- The objective of the project is to develop a framework for the detection and analysis of stress/anxiety emotional states of the students. The analysis mainly focuses on certain parameters such as peer pressure, parental pressure, social anxiety etc. in order to estimate the emotional representation of the students more objectively.
- The purpose of this project is to determine the level of stress in individuals by using state-of-art machine learning algorithms.
- Created my own dataset by using a questionnaire, consisting of 20 questions in which each subject belonged to a sub-category of common stressors in an individual's life. The responses to the questionnaire were analysed, using a variety of ml techniques to elucidate the level of stress.
- The questionnaire formulated by me is inspired from the PSS Test by Sheldon Cohen.

Project URL: https://github.com/mishrashubhangi/Minor-Project

CERTIFICATIONS

- IBM Cognitive Class Machine Learning with Python

Credentials For: 1. Certificate https://courses.cognitiveclass.ai/certificates/e4f159e27cc346bfabaebf1799b79adc
2. Badge https://www.youracclaim.com/badges/be7c8473-312d-43c8-9af2-1a19e0516094

LINKS

- LinkedIn: https://www.linkedin.com/in/shubhangi-mishra-9b56281a3/
- Economics Blog: https://www.pepperyeconomist.com/

EDUCATION QUALIFICATIONS

Jaypee Institute of Information Technology, Noida	[2017 - 2021]	B. Tech. CSE	CGPA 7.9(till 6th sem)
East Point School, New Delhi	[2016]	XII CBSE Board Exams	84%
East Point School, New Delhi	[2014]	X CBSE Board Exams	CGPA 9

TECHNICAL PROFICIENCIES

- **Programming:** Python, C, C++
- **Data Analysis:** Python, Jupyter notebook, Machine Learning Techniques, Python
- **Python Libraries:** Numpy, Pandas, matplotlib, seaborn, sklearn
- **Web Frameworks:** HTML5, SQL