Anup Patel

M.Tech in Computer Science and Automation (CSA)

EDUCATION			
DEGREE	**INSTITUTE**	**YEAR OF PASSING**	**AGGREGATE SCORE**
M.Tech in Computer Science and Automation (CSA)	IISc Bangalore	2020	6.8/10
B.tech	Vivekananda Global University	2017	9.73/10
Higher Secondary	Tulsi Vidya Niketan	2012	78.40 %
Secondary	Varanasi Public School	2010	9.60 GPA

PROJECTS

1) Prime Acquisition
Advisor: Mr. Alok Mathur (Senior Data Scientist Airtel X Labs)
Technologies: Python 3.0

To predict whether a user will claim Prime membership in future or not.

2) ARPU Upgrade
Advisor: Mr. Alok Mathur (Senior Data Scientist Airtel X Labs)
Technologies: Python 3.0

To Predict whether a User will increase ARPU or not based on its previous month usage. Result can be further used to analyse whether a user is happy with Airtel services or not.

3) Adversarially Regularized Graph Auto-Encoder for Graph Embedding
Technologies: Python 3.0

Graph Embedding is an effective method to represent graph data in a low dimensional space for graph analytics. This Framework encodes the topological structure and node content in a graph to a compact representation, on which decoder is trained to reconstruct the graph structure. Furthermore, the latent representation is enforced to match a prior distribution via an adversarial training scheme.

4) Reconstruction and Classification of MNIST Dataset by K-NN Classifier
Advisor: Prof. M. Narasimha Murty
Technologies: Python 3.0

MNIST is a handwritten dataset, originally has 60,000 digits with 784 (28x28) dimensions in its training set. In this assignment, a subset of MNIST dataset has been taken into account for reconstruction task using truncated SVD for different values of d and Reconstruction Error (RMSE) is calculated.

5) Unsupervised Learning Task of Clustering
Advisor: Prof. M. Narasimha Murty
Technologies: Python 3.0

Design and implement an unsupervised learning task of clustering similar data points using k-means and spectral clustering algorithms. This project deals with eigenvalues, eigenvectors and one of their numerous applications, namely clustering. K-means and Spectral Clustering have been applied to two different datasets and observed the differences.

INTERNSHIPS

- 3 Month (May 2019 - July 2019) Internship at Airtel X Labs Bangalore as Data Scientist Intern.
- 6 Month Internship at GirnarSoft Jaipur. (Technology- PHP)

COURSES

Machine Learning, Topics in Pattern Recognision, Design and Analysis of Algorithms, Practical Data Science, Theory and Practice of Computer Systems Security, Linear Algebra and Probability

SKILLS

- Good Knowledge of Python, Tensorflow, Pyspark, Pytorch
- Good Knowledge of C++, C,HTML,CSS
- Knowledge of PHP and Networking.
- Experience in Web Designing and Blogging.

ACHIEVEMENTS

- AIR 2 ISRO SC Written Test Dec 2017
- AIR 142 GATE CS 2018
- Gold Medalist in B.tech.
- Academic Outstanding Excellence Award (2014-2015).
- Secured 2nd Rank in Varanasi in NSTSE Exam.
- Secured 1st Rank in Poster competition in National Conference on Recent trends of Transistor.

- Secured 1st Rank in Sparkling Quiz Exam in College Fest – PANACHE 6.
- Secured 3rd rank in MTEA (Mathematical Technique in Engineering Applications).
- Completed Live Project based Training on Industrial Robotics (Vertex Group) in 2015.