

# ANUP PATEL



## EDUCATION

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Master of Technology in Computer Science  
**Indian Institute of Science**  
Advisor: Prof. Gopinath

*2018 - Present*

Bachelor of Engineering in CSE  
**Vivekananda Global University**  
CGPA: 9.73/10

*2013 - 2017*

Higher Secondary  
**Tulsi Vidya Niketan**  
Percentage: 78.4

*2012*

Secondary  
**Varanasi Public School**  
CGPA: 9.6/10

*2010*

## PROJECTS

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### **Prime Acquisition**

July 2019

*Airtel X Labs*

*Advisor: Mr. Alok Mathur (Senior Data Scientist Airtel X Labs)*

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

### **ARPU Upgrade**

May-June 2019

*Airtel X Labs*

*Advisor: Mr. Alok Mathur (Senior Data Scientist Airtel X Labs)*

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.

### **Adversarially Regularized Graph Auto-Encoder for Graph Embedding**

Feb-April 2019

*Machine Learning Course Project*

*Advisor: Prof. Ambedkar Dukkipati*

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

## Reconstruction and Classification of MNIST Dataset by K-NN Classifier

Sept 2018

*IISc Course Assignment*

*Advisor: Prof. M. Narasimha Murty*

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.

## Unsupervised Learning Task of Clustering

Oct 2018

*IISc Course Assignment*

*Advisor: Prof. M. Narasimha Murty*

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

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**Airtel X Labs, Bangalore**

*May 2019 - July 2019*

Data Science Profile

**GirnarSoft, Jaipur**

*Jan 2017- July 2017*

Technology: Python

## COURSES

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Machine Learning, Practical Data Science, Data Analytics, Deep Learning, Computational Methods of Optimization, Linear Algebra and Probability, System Security, Cryptography, Design and Analysis of Algorithm, Distributed Computing System.

## COMPUTER SKILLS

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**Basic Knowledge:** Tensorflow, Pyspark, Pytorch, Keras, C, C++

**Intermediate Knowledge:** Python, HTML, CSS, Web Designing

## ACHIEVEMENTS

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- Secured All India Rank 2 in ISRO SC Written Test (CSE) Dec 2017.
- AIR 142 GATE CS 2018
- Gold Medalist in B.tech (2013-2017)
- 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 3rd rank in MTEA (Mathematical Technique in Engineering Applications).
- Completed Live Project based Training on Industrial Robotics (Vertex Group) in 2015

## INTERESTS AND ACTIVITIES

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Technology, Machine Learning, Programming  
Fiction, Travelling  
Cricket, Badminton, Football

## VOLUNTEER EXPERIENCE

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- Placement Coordinator for IISc CSA (Session 2019-2020).
- Web Team member at IISc Bangalore.
- Event Coordinator at CSA Open Day 2019, IISc Bangalore.
- Volunteer at CSA Summer School 2019, IISc Bangalore.

## PERSONAL DATA

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**Place and Date of Birth:** Uttar Pradesh, India — 23 Mar 1995  
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