KARTIK **CHOUDHARY**

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EDUCATION

2019

B.TECH, ELECTRICAL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY DELHI

GPA – 7.327 / 10

B.Tech Thesis: Occupancy learning in commercial spaces   July, 2018 – Dec, 2018
Advisor: Prof. Seshan Srirangarajan
Predicting occupancy of rooms in institute's Lecture Hall Complex to automate HVAC system and improve room booking system.

Projects:

- Signal and Noise Analysis   Spring 2018
  Instructor: Prof. Seshan Srirangarajan   Course: Adv. Digital Signal Processing
  Estimating range & velocity of target in noisy environment using correlation processing and end-point detection.
- Classification and Clustering Algos.   Fall 2017
  Instructor: Prof. Sumeet Agarwal   Course: Intro. to Machine Learning
  Comparative analysis of models implementing SVM, CNN and Sparse Autoencoders on MNIST dataset.

Relevant Courses:

- MTL101 - Linear Algebra and Diff. Equations
- MTL106 - Probability and Stochastic Processes
- COL106 - Data Structures and Algorithms
- ELL784 - Intro. To Machine Learning

WORK EXPERIENCE

JULY 2019 – PRESENT

DATA SCIENTIST, RELIANCE JIO INFOCOMM LTD.

- Predicting churn risk for 400M+ customers using gradient boosting algorithms.
- Segmenting customers to add interpretability to the churn model and suggest suitable actions.
- Anticipating network load during Covid lockdowns.

INTERNSHIPS

MAY 2018 – JUL 2018

FRAUD DETECTION IN MOBILE ADVERTISING, CLAYM MEDIA AND TECH PVT. LTD.

Building a scalable solution for standardizing reports and detecting fraudulent activity in mobile advertising.

MAY 2017 – JUL 2017

VOICE ENABLED CHAT-BOT, VOXOMOS SYSTEMS PVT. LTD.

Training a chatbot on publicly available twitter corpus using LSTM model.

RESEARCH INTERESTS

- NLP
- Explainable Machine Learning