

# RAGHAV MEHTA

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Looking for research opportunities. Currently Working in @WalmartLabs.

## EDUCATION

B.E. ( IT )	2014-2018	NSIT, New Delhi	74.3%
CBSE (Class XII)	2014	Abhinav Public School, New Delhi	93.8%
CBSE (Class X)	2012	Kundan Vidya Mandir, Ludhiana	9.6 CGPA

## INTERNSHIPS AND PROJECTS

### • WalmartLabs India (Summer Internship 2017)

- Implemented Collaborative recommendation engine prototypes for Buyer-Seller Walmart portal. Models used:
  - Nearest neighbour model (Statistical model)
  - Latent factor analysis (Matrix Decomposition model)
  - RBMs and Autoencoders (Deep Learning models)

### • Implemented a Semi-supervised Generative model (IIITD Research)

- Worked on Image Source Identification and Defence against Targeted & Non-Targeted Adversarial attacks
- A tensorflow implementation of GAN modified to include classification loss
- Achieved comparable results to supervised models and published blog with TowardsDataScience

### • Imitation learning (BTP)

- Imitating an expert policy through GAN for a reinforcement learning agent

### • Voice Gender Classifier

- Implemented a software to recognise the voice gender based on sound feature extraction

### • Credit Score Calculator

- A predictive model to calculate the probability of a loan defaulter using Random Forest and Xgboost Classification Algorithm

### • Chameleon (Color Sensing Robot)

- Arduino Micro-controller based robot coupled with obstruction detection

## EXTRA-CURRICULAR AND VOLUNTEER WORK

- Event Manager for Line Following Robot Event in Tech Fest
- Worked in Logistics & PR Team in Cultural Fest
- Participated in Winter Sports Cricket Tournament.
- Volunteered for Swach Bharat Abhiyaan organised by hostel.