

# Nischal Mahaveer Chand

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Available: May - Dec. 2018

## EDUCATION

### NORTHEASTERN UNIVERSITY, Boston, MA

College of Computer and Information Science, GPA: 4.8/4.0

Sept. 2017 - present

*Candidate for Master of Science in Data Science*

Expected graduation: Dec. 2019

Related Courses: Algorithms, Introduction to Data Management and Processing,  
Unsupervised Machine Learning and Data Mining, Natural Language Processing

### ALLIANCE UNIVERSITY, Bengaluru, India

College of Engineering and Design, CGPA: 3.4/4.0

Aug. 2013 - June 2017

*Bachelor of Technology in Computer Science Engineering*

Related Courses: Data Mining and Data Warehousing, Big Data Analytics, Design and Analysis of Algorithms,  
Data Structures and Algorithms, Java Programming, Unix Programming and Practice, Image Processing

Activities: Coordinator of CodeWars, Member of DevMetric, Member of Linux Club

## TECHNICAL KNOWLEDGE

<b>Languages:</b>	Python, C, C++, R, Java, SQL
<b>Libraries/Packages:</b>	TensorFlow, pandas, scikit-learn, matplotlib, dplyr, ggplot2
<b>Databases:</b>	MySQL, SQLite
<b>Tools and IDEs:</b>	Git, Weka Explorer, RStudio, Jupyter Notebook, IntelliJ IDEA, PyCharm
<b>Markup Languages:</b>	LaTeX, RMarkdown, Markdown, HTML, XML, JSON

## WORK EXPERIENCE

### untrodden labs, Delhi, India

Aug. 2016

*R&D Intern*

- Developed chatbot in Python using NLTK, for basic user interaction like weather reporting and reading daily news.
- Tested and debugged speech recognition modules using Google Speech Recognition API in Python.

### MoodSense, Bengaluru, India

July - Oct. 2015

*Android Intern*

- Developed an android application that would recommend YouTube videos to a user based on his current mood using Java, XML, and SQLite. The application improved user retention by 30%.

## ACADEMIC PROJECTS

### Flashlight - Property Assessment Visualization for the City of Boston

Oct. - Dec. 2017

*Northeastern University, Boston, MA*

- Created Shiny Application that helps users visualize various aspects of property assessment values in different regions of Boston, using R for data visualization and Python for data cleaning and data transformation.

### Movie Recommendation System

Feb. - June 2017

*Alliance University, Bengaluru, India*

- Designed, implemented, and tested a multi-layered Recurrent Neural Network to recommend movies to a user using TensorFlow and Scikit-Learn, in Python, that achieved 93% accuracy on test data and 85% accuracy on study groups.

## PERSONAL PROJECTS

### Ames Housing Price Prediction

Oct. - Dec. 2016

- Designed, developed, and tested advanced regression models in Python using the scikit-learn package in a team of 2.
- Final model in top 20% on Kaggle.

### Melody - Open-Sourced Music Player Framework for Android

July - Aug. 2015

- Designed and developed music player framework for Android using RxJava and Scala Reactive Extensions, which is freely available under the MIT license and is commonly used by Android developers worldwide.

## HONORS AND ACHIEVEMENTS

- Awarded state scholarship, covering 70% tuition fee for undergraduate study.
- Coordinated and organized CodeWars, a 24-hour hackathon as part of university fest at Alliance University. Oct. 2015
- Volunteer for planting 300 saplings as part of reforestation drive in Shivaganga Hills, India. Sept. 2014
- Volunteer for collecting disaster relief supplies for the Uttarakhand Floods of 2013. Sept. 2013