

# Nischal Mahaveer Chand

Boston, MA | mahaveerchand.n@husky.neu.edu | (857) 277-9145  
GitHub: DarkestFloyd | LinkedIn: darkestfloyd | Medium: @darkestfloyd  
Available: July 2019

## EDUCATION

### NORTHEASTERN UNIVERSITY, Boston, MA

College of Computer and Information Science, GPA: 3.75/4.0

Sept. 2017 - present

*Candidate for Master of Science in Data Science*

Expected graduation: June 2019

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

### 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

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

## TECHNICAL KNOWLEDGE

<b>Languages:</b>	R, Python, C, C++, Java, SQL
<b>Libraries/Packages:</b>	tidyverse, ggplot2, kableExtra, pandas, scikit-learn, NLTK, matplotlib, TensorFlow, Theano, PyTorch
<b>Tools and IDEs:</b>	git, Weka Explorer, Tableau, RStudio, Docker, Jupyter Lab, IPython Notebook
<b>Markup Languages:</b>	LaTeX, RMarkdown, Markdown, HTML, XML, JSON

## WORK EXPERIENCE

### Marcus Institute for Aging Research, Hebrew SeniorLife, Roslindale, MA

July 2018 - present

*Junior Data Scientist*

- *shinyMRI*: Created a R Shiny module for interactive viewing of MRI images within R Shiny applications.
- *AD Supplement*: Study to explore connections between Cerebrovascular mechanisms and Alzheimer's related dementia. Used tidyverse in R to perform regression analysis and visualization. Results were communicated to researchers.
- *Smartphone project*: Analyse accelerometer and gyroscope data collected from smartphones while performing several walking tasks to find relations between gait patterns and mental health, using R, Shiny, and tidyverse.

### 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.

## ACADEMIC PROJECTS

### NL2code - Natural Language to code generator

Jan. - Apr. 2017

*Northeastern University, Boston, MA*

- Created a neural machine translation system to convert single line comments to code in Python using Theano and TensorFlow. The final model achieved a BLEU score of 74.3, an improvement over our Base model score of 73.2.

### 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 interactive dashboard, along with Python for data cleaning and data transformation.

### Movie Recommendation System

Feb. - June 2017

*Alliance University, Bengaluru, India*

- Implemented a Recurrent Neural Network using TensorFlow in Python to recommend movies to a user. By analysing the sequence of movies reviewed, we were able to achieve high scores both in accuracy and peer review.

## PERSONAL PROJECTS

### Ames Housing Price Prediction

Oct. - Dec. 2016

- Created regression models in Scikit-Learn and neural models in TensorFlow to predict housing prices in Python.
- Best submission one of top 20% on Kaggle public leaderboard.

## HONORS AND ACHIEVEMENTS

- Coordinated and organized CodeWars, a 24-hour hackathon as part of university fest at Alliance University. Oct. 2015
- Awarded Karnataka state scholarship, covering 70% tuition fee for undergraduate study at Alliance University. 2013 - 2017