

Nischal Mahaveer Chand

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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: 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,

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

TECHNICAL KNOWLEDGE

Languages:	R, Python, C, C++, Java, SQL
Libraries/Packages:	TensorFlow, tidyverse, pandas, scikit-learn, NLTK, matplotlib
Databases:	MySQL, SQLite
Tools and IDEs:	git, Weka Explorer, Tableau, RStudio, Docker, Jupyter Lab
Markup Languages:	LaTeX, RMarkdown, Markdown, HTML, XML

WORK EXPERIENCE

Institute for Aging Research, Hebrew SeniorLife, Roslindale, MA

July 2018 - present

Junior Data Scientist

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, by analysing the sequence in which the users have rated the movies.

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