VARUN NANDU

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https://github.com/varunnandu, https://varunnandu.github.io/

EDUCATION

Northeastern University, Boston, MA   September 2016 – present
College of Computer and Information Science
Candidate for Master of Science in Computer Science **GPA: 3.28**
Related Courses: Programming Design Paradigm, Algorithms, Web Development, Fundamentals of Artificial Intelligence, Natural Language Processing, Data Mining Techniques, Managing Software Development and Database Management Systems

NMIMS University, Mumbai, India   August 2016
Mukesh Patel School of Technology, Management and Engineering
Bachelor of Technology in Information Technology **GPA: 3.18**
Related Courses: Data Structures and Algorithms, Artificial Intelligence, Cloud Computing

TEHNICAL KNOWLEDGE

Languages:	Python, Java, HTML5, JavaScript, SQL, R
Python Technologies:	NumPy, Pandas, SciPy, sklearn
Web Technologies:	Bootstrap, CSS, jQuery, Angular JS, Node JS, Express JS
Systems/Databases:	Windows, Mac, Ubuntu, Oracle 10g, MySQL, MongoDB
Tools/ IDE:	Git, AWS, Heroku, Eclipse, Webstorm, PyCharm, IntelliJ IDEA, Jupyter Notebook

ACADEMIC PROJECTS

Plagiarism Detector, Northeastern University, Boston, MA   Fall 2017
- Developed Plagiarism Detection System on textual data using unsupervised machine learning algorithms.
- Implemented K-means clustering and Frequent Pattern Growth algorithm with system accuracy of 63.6% and precision of 90%.

Recommendation System, Northeastern University, Boston, MA   Fall 2017
- Implemented recommendation system using Agglomerative Hierarchical Clustering, Collaborative Filtering and Multi-Layer Perceptron on Yelp Dataset.

MovieNow, Northeastern University, Boston, MA   Spring 2017
- Developed and deployed on Heroku cloud platform a single page, mobile first web application using MEAN stack which allows users to search, like and review movies.
- Implemented RESTful MVC architecture by leveraging Angular JS with server side built using Express/Node JS with MongoDB as the NoSQL database.

Gobblet, Northeastern University, Boston, MA   Summer 2017
- Designed Artificial Intelligence agent for computer player in game of Gobblet using Python
- Implemented and analyzed adversarial search algorithms like Minimax and Alpha-Beta Pruning for selecting the best move for computer player

WORK EXPERIENCE

Northeastern University, Boston, MA
Master Assistant for CS2800: Logic and Computation   Spring 2017
- Assisting undergraduate students for labs and grading assignments for the course Logic and Computation.

Flexiloans Inc, Mumbai, India
Data Sciences Intern   June – August 2016
- Expedited the process of data extraction from bank statements using the Tesseract Library in Python thus improving the productivity of the team by 50%.
- Recorded and automated the analysis process of the extracted data using the xlwt library in Python.