

Education

- **Masters of Science, Computer Science** **CGPA: 4.0/4.0**
North Carolina State University, Raleigh, NC *Aug. 15 - Dec. 16*
 - **Relevant Courses:** Machine Learning, Foundation of Data Science, Design and Analysis of Algorithms, Artificial Intelligence, Algorithms for Data Guided Business Intelligence, Graph Theory.
- **Bachelor of Technology, Computer Science** **CGPA: 8.11/10.0**
Visvesvaraya National Institute of Technology, India *Aug. 10 - May 14*

Work Experience

- **Amazon** *Seattle, WA*
Software Development Engineer Intern *May 2016 - July 2016*
 - Implemented a novel approach for image clustering as a part of Imaging Research team.
 - Integrated the module in Image Quality Assurance tool to significantly enhance automation.
- **Center for Educational Informatics, NCSU** *Raleigh, NC*
Graduate Research Assistant *Sep. 2015 - Present*
 - Research in Educational Data Mining for automatic short answer grading using NLP and Machine Learning techniques.
 - **Publication:** “Deep Learning + Student Modeling + Clustering: a Recipe for Effective Automatic Short Answer Grading”, *The 9th International Conference on Educational Data Mining (EDM2016)*.
- **Morgan Stanley** *Mumbai, India*
Software Analyst *Aug. 2014 - July 2015*
 - Contributed in development of a reporting dashboard along with underlying Scala/Java service.
 - Built a SOAP service for multi-threaded database access in a team of three, which was featured and showcased in the Global Town hall for its broad impact.
- **Goldman Sachs** *Bangalore, India*
Software Analyst Intern *May 2013 - July 2013*
 - Optimized a market risk analysis tool by implementing caching layer and parallel computing to significantly reduce the execution time.

Programming Skills

Proficient: C++, C, Java, Python, JavaScript, HTML5, CSS3, AJAX, SQL, Git

Familiar: R, Scala, C#, Shell Scripting, PHP, Android

Projects

- 2016 Music Recommender System** for Implicit Feedback Dataset.
 - Collaborative Filtering approach using Apache Spark’s MLlib library in Python.
- 2016 Handwriting Recognition and Generation.**
 - Trained ML models for handwriting recognition and studied application of RNNs for sequence generation.
- 2016 Adwords Placement** using Bipartite Graph matching algorithms
 - Implemented MSVV, Balance and Greedy algorithm for comparative study of revenue maximization.
- 2015 Anomaly Detection** in Time Evolving Networks using Signature Similarity for graph comparison.
- 2014 Lead Web Developer** for Technical Symposiums and several clubs’ websites in VNIT.

Miscellaneous

- 2016 Teaching Assistant** - Introduction to Artificial Intelligence (CSC 411) at NCSU.
- 2014 Technical Secretary** - Member of VNIT Students Council.
- 2013 Vice-Chairperson** - ACM Student Chapter of VNIT.