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## Objective

Seeking full-time Software Engineering position starting January 2017 in an organization with challenging opportunities.

#### Education

### Master of Computer Science

CGPA: 4.0/4.0

North Carolina State University, Raleigh, NC

Fall 15 - Present

 Relevant Coursework: 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, Nagpur, India

Fall 10 - Spring 14

 Relevant Coursework: Operating Systems, Computer Organization, Data Structures, Cloud Computing, Data Mining, Distributed Systems, Information Retrieval.

## Work Experience

Amazon Seattle, WA

Software Development Engineer Intern

May 2016 - Present

- Part of Imaging Research team for enhancing Image Quality Assurance tools.
- Built a prototype system leveraging existing research to cluster similar images with a novel approach which significantly reduced the manual work.

Morgan Stanley

Mumbai, India

Software Analyst

Aug. 2014 - Jul. 2015

- Contributed in development of a reporting dashboard written in C# along with underlying Scala/Java SOAP 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 - Jul. 2013

 Optimized a market risk analysis tool by implementing Caching and utilizing Parallel Computing infrastructure to significantly reduce the execution time.

# Indian Institute of Technology

Mumbai, India

Software Intern

May 2012 - Jul. 2012

- Built an open source Joomla extension for hosting Quizzes on the online National Education Portal.

#### Research

### Center for Educational Informatics, NCSU

Raleigh, NC, USA

Graduate Research Assistant

Sep. 2015 - Present

- Research in Educational Data Mining for automated 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).

#### Skills

**Proficient:** C/C++, Java, Python, JavaScript, HTML, CSS, 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 Matching Algorithm for comparative study of revenue maximization.
- **2015** Anomaly Detection in Time Evolving Networks using Signature Similarity approach for comparing graphs.
- 2014 Lead Web Developer for Technical Symposiums and several clubs' websites.
- 2012 Intra College Social Networking Portal with advanced features like dynamic news feed, discussion forum, chat integration with AJAX.

#### Activities

- 2016 Teaching Assistant Introduction to Artificial Intelligence (CSC 411) at NCSU.
- 2014 Technical Secretary Member of VNIT Students Council.
  - Administered web portals, intranet and supervised functioning of Technical Symposium.
- 2013 Vice-Chairperson ACM Student Chapter of VNIT.
- Coordinated and held seminars on programming and Web Technologies for undergraduate ACM members.
- 2013 Secured 25th rank at ACM-ICPC onsite contest in India.