Shagun Jhaver

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Objective

To obtain a Spring or Summer 2014 internship in Computer Science/Software Development.

Education

- **Master of Science in Computer Science** — Expected Dec 2014
  The University of Texas at Dallas, Richardson, Texas — *GPA: 3.959/4*
  Thesis: Statistical Classification and String Manipulation Algorithms using MapReduce
- **Bachelor of Technology in Electrical Engineering** — August 2010
  Indian Institute of Technology (IIT) Bombay, Mumbai, India — *GPA: 7.46/10*

Relevant Coursework & Programming Skills

- Design and Analysis of Computer Algorithms
- Artificial Intelligence
- Advanced Database: Big Data Analytics
- Database Design
- Machine Learning
- Natural Language Processing

Languages: Python, Java, C++　　**Operating Systems:** Linux, Windows
Miscellaneous: Hadoop, MapReduce, Pig Latin, Hive, Mahout, Cassandra, MySQL, Git, MATLAB

Research Projects

- **Developing a distributed memory abstraction for Big Data Analytics** — Summer 2013
  Brown University — *Providence, Rhode Island*
- **Comparative analysis of approaches to sentiment analysis of tweets** — *Jan 2013 - May 2013*
  The University of Texas at Dallas — *Richardson, Texas*
- **Hybridization Methods for the analysis of Biomolecular Networks** — May 2009 - July 2009
  Institut National De Recherche En Informatique Et En Automatique (INRIA) — *Paris, France*

Academic Projects

- **Simulating Nine Men's Morris board game** — *Jan 2013 - May 2013*
  - ➤ Designed and developed this AI project using **Python** and employing alpha-beta pruning algorithm.
  - ➤ Earned the position of **first champion** in the tournament for this game in the class (76 students).

- **Date-Intensive Text Processing of White House Visitor Log** — *Jan 2013 - Feb 2013*
  - ➤ Wrote programs in **Java** and applied Hadoop **MapReduce** chaining to derive innovative statistics

- **Database Design and Implementation Project** — *Aug 2012 - Dec 2012*
  - ➤ Compiled a conceptual design (EER model) for a large custom City library database project.
  - ➤ Developed a relational schema in third normal form for this design and wrote **SQL** statements to create the database and views, populate the tables and solve challenging queries.

Professional Experience

- **Research Assistant** — Nov 2013 - Present
  Data Management & Data Mining Lab, The University of Texas at Dallas — *Richardson, Texas*
- **Head of the *Analytics and Business Intelligence* Team** — Jan 2011 - June 2012
  Future Bazaar — *Mumbai, India*
- **Math Lab Tutor** — Jan 2013 - Nov 2013
  The Student Success Center, The University of Texas at Dallas — *Richardson, Texas*

Honours

- All India Rank 94 in Indian Institute of Technology Joint Entrance Exam 2006 among 300,000 students.

- Selected from the state for the 4th Invitational World Youth Mathematics Intercity Competition.