LAXMIKANT PATIL

● (480) 465-1963● Email: Laxmikant.Patil@asu.edu ● 812, West Brown Street, Unit A, Tempe, AZ-85281

Objective

Seeking an internship position as a Software Developer.

Education

Arizona State University *Fall 2017 (Expected)*
Master of Science in Computer Science (***Big Data Systems***)

National Institute of Technology Karnataka(NITK), Surathkal, India *May 2013*
Bachelor of Technology, Computer Engineering *GPA: **3.9/4***

Work Experience

Software Developer , EMC Corporation, Bangalore, India *July 2013-June 2015*

- Worked as Hadoop Engineer as a part of Big Data Management & Analytics team.
- Optimized SQL queries over Greenplum. Migrated database from Informix to Greenplum.
- Involved with the onsite team in Hamburg (Germany) to fix all the data issues in Greenplum according to customer interaction along with performance improvement of queries.

Case Studies:

- ***"Churn Analysis in Telco":***
  Performed analysis to find users with high risk of churning based on social influence. Found representative profiles of users by type of websites access using Hadoop, Map-Reduce,Hive, Pig.
- **"*Secondary sorting & inverted indexing in Hadoop*":**
  Developed an inverted index file to allow fast full text searches using Hadoop Map-Reduce.
- ***"Recommender System":***
  Developed friend recommendation engine and Shortest Link between entities in a social network using Hadoop Map Reduce.

Summer Intern , Centre for Artificial Intelligence & Robotics, DRDO *Summer 2012*
"Distributed Image Retrieval"

- Developed general, scalable architecture to support fast querying of very large image data set using Hadoop.
- Extracted features of millions of images with LIRe APIs and built an efficient index using KD-tree to retrieve desired image results as query image.
- Reduced overall image processing time compared to traditional standalone methods.

.

Skills

Programming : Java, Python, C/C++, R.

Databases : MySQL, PostgreSQL, HBase.

Technologies : Hadoop/Map-Reduce, Hive, Pig, Mahout**,** Apache Spark.

Other Packages : NumPy, scikit-learn, Pandas, matplot-lib, Scrappy.

Projects

Retweet prediction using user and tweet based features *(Currently working)* *Fall 2015*

- Developing model to predict the number of retweets using user and tweet based features.

Geospatial Operations in Apache Spark *(Currently working)* *Fall 2015*

- Implementing various Geo-Spatial operations in Apache spark on large geographical datasets.

Spam Filtering using Text categorization *(Undergraduate Thesis)* *Fall & Spring 2013*

- Developed a spam filtering application using text categorization algorithms Naïve Bayes and SVM.

Database Simulator *Fall 2012*

- Developed a tool to create and maintain the database encapsulating all the functionalities of MySQL.

A-Star algorithm with Graph Former *Spring 2012*

- Created a simulated application using A* algorithm to find optimal path from start to end points with various heuristic functions.

Awards / Certifications

EMC Proven Professional Data Science Associate (EMCDSA).
Awarded "*Cause for Applause'* and *'Bronze Award'* in EMC Corporation for contribution in project and onsite collaboration with client.