|  |
| --- |
| Rajendra Jadi 9539 University terrace Dr Apt K, Charlotte, NC 28262 rajendrayjadi@gmail.com 704-241-4674https://www.linkedin.com/in/rjadi/ <https://github.com/RajendraJadi> Software Engineer with programming experience of 3+ years. Seeking full time opportunities in Software Engineering, Data Engineering. |
|  |

**Technical skills**

|  |  |
| --- | --- |
| * **Python, SQL, Java, Scala, Shell** | * **Linux, Natural Language Processing** |
| * **Hadoop, MapReduce, Spark, Hive, Solr** | * **AWS (S3, EC2, EMR), Google Cloud** |
| * **HiveQL, PostgreSQL, Teradata, MySQL** | * **Javascript, php, Git, Docker, Tableau** |

**Work Experience**

**Data Engineer** (Internship), Relishly Inc, Santa Clara, CAJune 2018- Aug 2018

*A technology startup that builds AI platform to enrich shopping experiences for e-commerce stores, retailers, comparison shopping engines.*

**Development (Python | Linux | Shell | Apache Beam | Solr | Google Cloud)**

* Built Data pipelines using Apache Beam to analyze real time logs of e-commerce website to create analytics indexing the data in Solr.
* Implemented trending algorithm to find trendiness of items for the e-commerce platform using rolling z-score.
* Developed API for dashboard to pull data from Solr.
* Automated backup of Solr collections from Solr to Google storage.
* Automated the solr, zookeeper cluster setup in google cloud and implemented disaster recovery during downtime.

**Software Engineer,** Tesco PLC, IndiaJuly 2014 – July 2017

*The multinational Supply chain and general merchandise retailer.*

**Development (Linux| Java | Hadoop | Hive | SQL | Spark | Teradata | ETL)**

# Developed and implemented the complex ETL solution for Group Promotional Forecasting model for store appliance which provides near real time accurate promotion forecasting to deliver availability, waste and stockholding benefits.

* Implemented MapReduce paradigm in conjunction with Apache Hadoop to parallelly execute complex operation on Big data, increasing the overall performance by 20%.
* Developed a framework from Teradata to Hadoop using SQOOP for live Archival of data, which helped in making better  
  decisions due to availability of huge data.
* Built an automation tool to perform functional testing, QA testing, referential integrity checks using Java and Teradata stored procedures to automate routine tasks.
* Automated batch monitoring and testing activities utilizing shell scripting and python programming to drive automation, reducing manual efforts by 30%.

# Education

# Master’s Degree, Computer Science (3.75/4.00) University of North Carolina at Charlotte Expected Graduation: December 2018

# Courses: Parallel Computing, Machine-Learning, Cloud Computing, Natural Language Processing, Big Data analytics

# Bachelor’s Degree, Information Science (8.00/10) Visvesvaraya Technological University, India Aug 2010 – Jun 2014

# Courses: Software Engineering, Data warehousing and Data mining, Business Intelligence, Databases, Web Development

**Research/Academic Projects**

**Software Engineering**: Classification of Facebook news feeds and Sentiment analysis - Developed a tool that extracts real-time data, classifies the Facebook user’s news feeds into various categories using classifiers like Naïve Bayes, SVM, Logistic Regression and perform sentiment analysis on facebook news feeds. **Publication**: International Conference on Advances in Computing, Communications and Informatics

**Parallel Programming:** Implemented parallel algorithms using pthreads, openMP, MPI and analyzed speedup of various algorithms.

**Natural Language Processing**: Built a classifier in Python to classify 2016 Presidential debate using Multinomial Naive Bayes Classifier and Support Vector Classifier. Increased accuracy of classifier by 2.5%. Implemented Language Model and spell checker in python.

**Machine Learning:** Regression, Clustering, Classification, Forecasting, Support Vector Machines and Artificial Neural Network on various datasets and tested the models against various tests to decide the correctness of the model using Python.

**Data Mining:** Independent Research Project -Implementing Action Rules for Sentiment analysis on Twitter data using Spark.

Indexed Wikipedia dataset using Elastic search, Solr in AWS and Google cloud.

**Web Development**: Research Assistant - Developed frond end components using PHP, HTML & javascript in Laravel framework. Fabricated the interface of website using HTML, CSS, JavaScript and JQuery.

Other Technologies: Shell Scripting, Scala, Git, Ab Initio, ETL, HDFS, Oozie, Yarn, NLTK, Numpy, Pandas, Sci-kit learn, Git, TensorFlow, Anaconda, Docker, Tableau, Automation, Big Data, Linux, Microsoft Windows, XML, JSON, Unit testing, Pytest, Performance testing.

**Website**: <https://rajendrajadi.github.io/>