

# Rajendra Jadi

9539 University terrace Dr Apt K, Charlotte, NC 28262

✉ rajendrayjadi@gmail.com ☎ 704-241-4674 [in https://www.linkedin.com/in/rjadi/](https://www.linkedin.com/in/rjadi/) [github https://github.com/RajendraJadi](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, CA

June 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, India

July 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/>