Niranjan Addanki

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EMPLOYMENT

Data Engineer Intern **The Walt Disney Company** ***Aug 2017-Jan 2018***

- Worked with Data Engineering team on data collection, extraction and processing using **Hadoop** ecosystem.
- Developed search engine using **Elasticsearch**, this feature enabled analysts to find documents and web pages faster.

Technologies: Java, Python, Elasticsearch, Django, Hadoop, Hive, Spark, MySQL, Selenium, Docker, Maven, UNIX.

Software Developer Intern **Utica Mutual Insurance Group** ***May 2017-Aug 2017***

- Worked with Data warehouse team, on troubleshooting Oracle stored procedures.
- Worked on a proof of concept, migrating legacy reporting tool to **Power BI** reports.
- Developed Automation framework, this solution has increased test coverage and efficiency of QA.

Technologies: VB Script, Java, Python, Oracle 11g, Power BI, Selenium.

Senior Software Engineer **Bank of America Continuum Solution** ***Jul 2012-Dec 2015***

- Worked with Data warehouse team, which manages revenue generated from different upstream sources.
- Automated quality check process to enhance the batch process, it has improved quality of data and saved **600** resource hours.
- Played a key role in **Big Data** implementation which optimized batch flow run time from 14 hours to 8 hours.

Technologies: Databases (Netezza, Vertica, Oracle 11g), Python, UNIX, Autosys, Cognos, ETL.

Student Assistant **SUNY Polytechnic Institute** ***Jan 2016-Present***

Graduate Research Assistant

- Working with Mathematics research department on developing a computational model of retinal blood flow using numerical methods for discretization, visualization, and optimization.
- Enhanced user experience by making project portable to all operating systems.

Student Assistant – Tutor

- Tutor basic concepts of programming, Big Data, and Machine Learning to graduate and undergraduate students.

Technologies: Python, UNIX, Numpy, Scipy, Apache Spark, Apache Hadoop, Mayavi, Matplotlib.

SKILLS

- *Programming (Proficient):* Python, Java, Scala, C.
- *Programming (Familiar):* C++, JavaScript, Ocaml.
- *Distributed Frameworks:* Apache Spark, Apache Hadoop, Pig, Hive, Elasticsearch, Heroku.
- *Data/Databases:* Oracle, Vertica, Netezza, MySQL, Red Shift, ETL, Machine Learning, Power BI.
- *Libraries:* Django, Flask, TensorFlow, Selenium, AirFlow.
- *Markup Language:* HTML, CSS, Latex, Markdown.
- *Version Control/DevOps:* Git, Docker, Maven, Jenkins.
- *Operating System:* Windows, Linux, CentOS, Mac.

EDUCATION

Utica, NY **SUNY Polytechnic Institute** ***Jan 2016-May 2018***

M.S. in Computer and Information Science. GPA-3.8/4.0

Hyderabad, India **Osmania University** ***Sep 2008-May 2012***

B.E. in Electronics and Communication Engineering. GPA-3.4/4.0

Graduate Coursework: Big data, Database Systems, Artificial Intelligence, Machine Learning, Algorithms & Complexity, Programming Languages, Approximation of Algorithms.

Undergraduate Coursework: C and C++ Language, Computer and Architecture, Micro Processors and Controllers, VLSI.

PROJECTS

http://niranjanaddanki.herokuapp.com/project

- **Retina Segmentation** *(Aug 2017-Present):* Neural network for retina segmentation and classification of arteries, veins or both. Python TensorFlow
- **Guess Who You Are** *(Jan 2017-Feb 2017):* Web application to predict social traits of a person by analysis user data from different sources. IBM Watson, Python, Django.
- **Sentiment Analysis** *(Oct 2016-Dec 2016):* Binary classification model to generate sentiment of restaurant reviews. Apache Spark, Python.
- **Word Application** *(Mar 2016-Sep 2016):* Desktop application for word completion based on ranking and word correction based on user keyboard vicinity errors. Python, SQLite.

CERTIFICATIONS

- MapR Certified **Spark** Developer: y52bjvh7ntao

HONORS

- Earned **Platinum Award**, global recognition award for outstanding work on Netezza to Vertica migration at **BofA**.
- Won the **first prize** in Ramanujan Math's Olympiad.