

Niranjan Addanki

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EMPLOYMENT

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| Data Engineer Intern | The Walt Disney Company | Aug 2017-Present |
| <ul style="list-style-type: none">Working 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. <p><i>Technologies:</i> Java, Python, Elasticsearch, Django, Hadoop, Hive, Spark, MySQL, Selenium, Docker, Maven, UNIX.</p> | | |
| Intern Software Developer | Utica Mutual Insurance Group | May 2017-Aug 2017 |
| <ul style="list-style-type: none">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. <p><i>Technologies:</i> VB Script, Java, Python, Oracle 11g, Power BI, Selenium.</p> | | |
| Senior Software Engineer | Bank of America Continuum Solution | Jul 2012-Dec 2015 |
| <ul style="list-style-type: none">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. <p><i>Technologies:</i> Databases (Netezza, Vertica, Oracle 11g), Python, UNIX, Autosys, Cognos, ETL.</p> | | |
| Student Assistant | SUNY Polytechnic Institute | Jan 2016-Sep 2017 |
| <p><i>Graduate Research Assistant</i></p> <ul style="list-style-type: none">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. <p><i>Student Assistant – Tutor</i></p> <ul style="list-style-type: none">Tutor basic concepts of programming, Big Data, and Machine Learning to graduate and undergraduate students. <p><i>Technologies:</i> Python, UNIX, Numpy, Scipy, Apache Spark, Apache Hadoop, Mayavi, Matplotlib.</p> | | |

SKILLS

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

EDUCATION

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| 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.