Niranjan Addanki

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SUMMARY

Computer Science graduate with strong programming skills in developing test-driven applications. Solid understanding of data structures, algorithms, databases, object-oriented design, development principles, and ETL concepts.

EDUCATION

State University of New York Polytechnic Institute, Utica, NY   *Jan 16-May 18*

Master of Science in Computer and Information Science   *GPA-3.8/4.0*

Coursework: Big data and geometrical topology, Database Systems, Artificial Intelligence, Machine Learning, Algorithms and Complexity, Crypto Currencies, Programming Languages, Operating Systems, Approximation of Algorithms.

Chaitanya Bharathi Institute of Technology, Hyderabad, India   *Sep 08-May 12*

Bachelor of Engineering in Electronics and Communication Engineering   *GPA-3.4/4.0*

Coursework: C and C++ Language, Computer and Architecture, Micro Processors, Micro Controller, VLSI Design.

SKILLS

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

WORK EXPERIENCE

The Walt Disney Company, Orlando, FL   *Aug 17-Present*

Data Engineer Intern

- ● 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.

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

Utica Mutual Insurance Group, Utica, NY   *May 17-Aug 17*

IT Intern Software Developer

- ● 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.

State University of New York Polytechnic Institute, Utica, NY

Graduate Research Assistant   *Jan 16-Sep 17*

- ● 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   *Jan 17-May 17*

- ● 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.

Bank of America Continuum Solution, Hyd, India   *Jul 12-Dec 15*

Senior Software Engineer

- ● 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.

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

PROJECTS   *http://niranjanaddanki.herokuapp.com/project*

Retina Segmentation *(Aug 17-Present):* Developing a neural network for retina segmentation and classification.

EyeDEC *(Feb 16-Sep 17):* Developed a computational model for retinal hemodynamics.

Guess Who You Are *(Jan 17-Feb 17):* Developed a Django application to predict social traits of a person.

Sentiment Analysis *(Oct 16-Dec 16):* Developed a binary classification model for restaurant reviews classification.

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.