Niranjan Addanki

addankn@sunyit.edu: ●https://www.linkedin.com/in/niranjan-addanki ● https://www.github.com/Nir0303 ● (315) 790-7850

SUMMARY

Computer Information 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-Dec 17*
Master of Science in Computer and Information Science   GPA-3.75/4.0
Coursework: Big data and geometrical topology, Database Systems, Artificial Intelligence, Machine learning, Algorithms and Complexity, Crypto Currencies, Programming Languages, Operating Systems.

Chaitanya Bharathi Institute of Technology, **Hyderabad, India**   *Sep 08-May 12*
Bachelor of Engineering in Electronics and Communication Engineering   GPA - 3.3/4.0
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
- Data/Databases: Oracle, Vertica, Netezza, MS SQL ETL, Data Warehousing, Pig, Hive, Machine Learning.
- Distributed Frameworks: Spark, Hadoop.
- Libraries: Numpy, Scipy, Django, Pandas, NLTK, Scikit-Learn, Matplotlib, TensorFlow, Knime.
- Markup Language: HTML, CSS, Latex, MarkDown
- Version Control: Git.
- Operating System: Windows, Linux, CentOS, Mac.

WORK EXPERIENCE

State University of New York Polytechnic Institute, Utica, NY
Student Assistant – Tutor   *Jan 17-Present*
- Tutor basic concepts of programming, Object Oriented Programming, Big Data and Machine Learning to graduate and undergraduate students.
- Help students in programming projects.

Graduate Research Assistant   *Jan 16-Present*
- Working with Mathematics research team on developing a computational model of retinal blood flow using numerical methods for discretization, visualization, and optimization.
- Played a key role in making Eyedec project platform independent.

Technologies: Python, Unix, Numpy, Scipy, Mayavi, Matplotlib.

Bank of America Continuum Solution, Hyderabad, India   *Jul 12-Dec 15*
Senior Software Engineer
- Worked with Data warehouse team which manages revenue generated from different sources.
- Played a key role in Big Data implementation.
- Saved 2-3 daily resource hours by developing applications to enhance batch processing and data quality.

Technologies: Databases (Netezza, Vertica, Oracle), Python, Unix, Autosys, Cognos, ETL.

PROJECTS

Guess Who You Are   *Jan 17-Feb 17*
Python, Django, IBM Watson, HTML, CSS
- Developed a web application to predict social traits of person using user's social media content.
- Used Django for web interactions.

Music Recommendation   *Sep 16-Oct 16*
Python, Apache Spark.
- Developed a machine learning model for music recommendations.
- Used ALS algorithm for music recommendation.

Movie Data Analysis   *Dec 16-Jan 17*
Scala, Apache Spark
- Developed application to analyze Movie Data finding most popular movie, movie recommendation

Word Application   *Feb 16-May 16*
Python, Tkinter, SQLite, NLTK.
- Developed a desktop application for word auto correction and auto completion.

Sentiment Analysis   *Oct 16-Dec 16*
Python, Apache Spark, NLTK
- Developed a machine learning model for binary classification of restaurant reviews. Trained on curated data and achieved accuracy of **70%**.
- Using NLTK library added synonyms of each word to feature vector.

CSAR   *Jan 13-Dec 15*
Vertica, Oracle, Unix, Autosys, Cognos.
- Used comprehensive approach of data warehousing i.e. at each level from different sources to Oracle layer for data enrichments, from Oracle layer to Vertica layer for reporting purpose.

CERTIFICATIONS

- MapR Certified **Spark** Developer: y52bjvh7ntao
- Lynda.com Java Essential Training: 3A7F7405AF4E4F0F9989FED7B413E4D9
- Lynda.com Python Essential Training: 99450DF01B36491C8C6F47A34EEEBF50

HONORS

- Earned "**Platinum award**", global recognition award for outstanding work on **Netezza to Vertica** migration at BofA.
- Won 1st prize in "**Ramanujan Math's Olympiad**" .