

# 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-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.
- Data/Databases: Oracle, Vertica, Netezza, MY SQL, ETL, Pig, Hive, Machine Learning, Power BI.
- Distributed Frameworks: Apache Spark, Apache Hadoop, Hive, ElasticSearch.
- Libraries: Numpy, Scipy, Django, Flask, Pandas, NLTK, Matplotlib, TensorFlow, Knime, Scikit-Learn, Selenium.
- Markup Language: HTML, CSS, Latex, Markdown
- Version Control: Git.
- Operating System: Windows, Linux, CentOS, Mac.

## WORK EXPERIENCE

### Disney Parks & Resorts

Aug 17-Present

#### Data Analytics Engineering Intern

- Working with Data analytics team on data collection, extraction and processing using **Hadoop** ecosystem.

Technologies: Java, Python, Hadoop, Hive, Spark, My SQL.

### Utica Mutual Insurance Group, Utica, NY

May 17-Aug 17

#### IT Intern Software Developer

- Worked with Data warehouse team, on creating user reports using Power BI and troubleshooting stored procedures.
- Worked with Test automation team to develop **automation framework**.

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

### State University of New York Polytechnic Institute, Utica, NY

#### 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.

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

#### Student Assistant - Tutor

Jan 17-May 17

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

### 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 11g), Python, UNIX, Autosys, Cognos, ETL.

## PROJECTS

<http://www.niranjanaddanki.herokuapp.com/project>

#### Retina Segmentation Python, TensorFlow Aug 17-Present

- Working on neural network model for retina segmentation, classification of veins and arteries.

#### EYEDEC Python, Numpy, Scipy Feb 16-Present

- Under the math research department, developed computational model for retinal hemodynamics.

#### Guess Who You Are Python, Django, Jan 17-Feb 17

- Developed a web application to predict social traits of a person using user's social media content.

#### Sentiment Analysis Python, Spark, NLTK Oct 16-Dec 16

- Developed a Machine Learning model for binary classification of restaurant reviews. Trained on curated data and achieved an accuracy of 70%.

#### Word Application Python, Tkinter, NLTK Feb 16-May 16

- Developed a desktop application for word auto correction and auto completion.

#### CSAR Vertica, Oracle, Unix, Cognos Jan 13-Dec 15

- 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: 99450DF01B36491C8C6F47A34EEBF50

## HONORS

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