

# Mahesh Kumar Ghatti

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• <https://github.com/GhattiM>

## SUMMARY

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Computer Information Science graduate with strong programming in developing java and python applications. Solid understanding of data structures, algorithms, databases, object oriented design, development principles and machine learning concepts.

## EDUCATION

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

**Aug 15–May 17**

Master of Science in Computer and Information Science

GPA - 3.83/4.0

**Coursework:** Big data and geometrical topology, Database Systems, Artificial Intelligence, Machine learning, Algorithms and Complexity, Parallel Computing, Programming Languages, Operating Systems.

### Sri Indu College of Engineering and Technology, Hyderabad, India

**Aug 11–May 15**

Bachelor of Engineering in Computer and Science Engineering

GPA - 3.5/4.0

## SKILLS

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- **Programming (Proficient)** in Java J2SE, Java J2EE, Python 2.7, Scala 2.11, C.
- **Programming (Familiar)** in C++, JavaScript, Ocaml, R, Haskell, Android SDK, Shell Script
- **Databases:** Oracle SQL, MySQL, Pig, Hive, Data Warehousing, Machine Learning, Cassandra
- **Libraries:** Numpy, Scipy, Django, Pandas, Scikit-Learn, Matplotlib, NLTK.
- **Distributed Frameworks:** Apache Spark, Apache Hadoop, Kafka
- **Web Technologies:** HTML, CSS, Bootstrap, JavaScript

## PROJECTS

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### Online Intrusion Alert Aggregation with Generative Data Stream Modeling

**Feb 15- Apr 15**

Java 1.7, AWT, Swing, MySQL

- Programmer/Designer/Product Manager – Senior Design project to provide a platform for Network Security administrators for detecting intrusions.
- Involved in design, development and idea of the web interactive interface to reach multiple platform users

### Guess Who You Are

**Jan 17- Feb 17**

Python, Django, IBM Watson, Bootstrap, CSS

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

### 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%.

### Image Analysis of NASA Images

**Aug 16- Sep 16**

Python, Apache Spark, Scala, SVM, KMeans

- Programmer/Designer – A project that uses NASA API Dataset to predict the mars Images and estimate the time complexity of machine learning libraries.
- Responsible for implementing KMeans and SVM libraries in Anaconda Python for training and predicting the images.

### Integrating Hadoop with R for Big Data Analysis

**Oct 15- Dec 15**

Hadoop, R, KMeans, RHIPE

- Programmer/Designer – A project that provides platform for Hadoop users working with R
- Responsible for the Idea of developing and implementing Map-Reduce paradigm in R (RHIPE, Hadoop Streaming) for Big Data analysis on large data clusters.

## WORK EXPERIENCE

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

**Sep 15–Dec 16**

Graduate Teaching Assistant

- Assisted with Computer Science courses, C, Python and Java programming.
- Helped create curriculum, composed exams and term paper assignments, led weekly discussion sections.
- Graded all written work and determined final grades. **Technologies:** Java, Python, Unix, C, C++.