

Himaja Rachakonda

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EDUCATION

New York University, Courant Institute of Mathematical Sciences

Expected Sep 2016

Master of Science - Information Systems, GPA: 3.82/4.0

Academic Honors: Received Graduate Student Fellowship for Outstanding Performance in MS program

Course Highlights: Realtime & Big Data Analytics, Data Mining, Machine Learning and Computational Statistics, Web Search Engines, Production Quality Software, Statistics & Data Analysis, Digital Strategy, Operating Systems, Fundamental Algorithms

Andhra University College of Engineering, Visakhapatnam, India

May 2012

Bachelor of Technology - Computer Science Engineering, GPA: 8.5/10.0

ACADEMIC PROJECTS

Reviews-Rehashed

Spring 2016

Lucene | Java | scikit-learn | NLP | Web Crawling

- A search engine which crawls customer reviews from Amazon and BestBuy.com to collate the positive and negative reviews of a product relevant to one or more of its features.

Music Recommendation System based on Content Based Audio Analysis

Fall 2015

Map Reduce | Hadoop | HIVE | Apache Spark | HPC | HIVE | Python | scikit-learn

- Music recommendation system based on a correlation between clusters of similar songs and user's taste profiles.
- Analysis is performed on audio spectral features and User taste-profiles using Million Song Dataset & Echonest data.

Predict if an auctioned car is a bad buy – Data Mining

Spring 2015

Data Analysis | Machine Learning | Excel | JAVA | WEKA

- Predict the price and quality of an auctioned car; helping car dealers make informed decisions about a purchase
- Conducted a field study on 10 NJ Car dealers to understand their business and formulate an "expected return" on a buy.
- Achieved an accuracy of 60% and improved it to 76% by taking "US Census" data into consideration.

Digital Strategy Recommendations for Craigslist.org

Summer 2015

- Constructed a decision model generating an Ad Authenticity index to induce trust factor based on historical data patterns.
- Provided digital strategies for Price Discovery and Market Research analysis using Craigslist's Data (Data Labs)

Operating Systems

Summer 2015

C++ | OOPS

- Implemented Memory Management, Process & Disk Scheduling, and Linker algorithms using Discrete Event Simulation.

WORK EXPERIENCE

Teaching Assistant, Courant Institute of Mathematical Sciences, NYU

Jun 2015 – Sep 2015

- Tutored ~160 students on Python Programming in 4 classes and 2 labs. Graded Python assignments and exams.

Technology Analyst, McGrawHill Financials, India

Jun 2012 – Jan 2015

Java | VB Script | SQL | Agile Development | Test Strategy | Product Management | Cyber Security

- *Credit Analytics (CA)* – Developed a foolproof JAVA test automation suite, for web services of financial data; reducing the manual testing efforts by 60% for every 2-month release cycle and testing time by 80%
- Developed POCs to implement test harness tools within the QA team. Developed End-to-End Test Automation Framework architecture with minimal dependencies, leveraged across 6 global QA communities.
- *Identity and Access Management (IDM)* – IT security platform for access capabilities across the enterprise. Worked on Authorization, Authentication, Single-Sign On, Access Granularities, User Migration Components.
- Coordinated with 21 globally distributed teams in gathering requirements for IDM onboarding.
- Developed automation suites for both front-end and back-end increasing the test coverage from 60% to 95%.

LEADERSHIP

- **Board Member**, Masters Students Association of Computer Science, NYU
- **Active member**, QA Newsletter, McGrawHill Financials(Hyderabad, India)

Jan 2015 - Aug 2016

Jan 2013 - Jan 2015