REWA JAYANT KALE
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EDUCATION:

New York University Tandon School of Engineering   Brooklyn, New York **May 2017**
Master of Science in Computer Science, GPA: 3.57/4.00
Vishwakarma Institute of Technology   Pune, Maharashtra, India   **June 2015**
Bachelor of Technology in Electronics and Computer Engineering, GPA: 3.6/ 4.00
Minors in Computer Science, GPA: 3.2/ 4.00
Course Work: Databases, Algorithms, Artificial Intelligence, Cloud, Big Data, Business Analytics, Information Visualization

TECHNICAL SKILLS:

Proficient in: Java, C, C++, HTML, Python, MySQL
Familiar with: JavaScript, Android, Objective C, R, PHP, Hive, Flume, NoSQL
Tools: Eclipse, Sense, Amazon Web Services, Code Blocks, Visual Studio   **Certifications:** Oracle Certified Associate Java SE 8

EXPERIENCE:

Altice USA (formerly Cablevision Systems)   New York, USA **June 2016 – August 2016**
Software Engineer Intern – Big Data   *(Elasticsearch - ES (Sense), Hive, Java, Flume, Ambari)*
- Transferred WiFi, monitored data using Flume into Elasticsearch (ES) index using memory channel and Twitter source.
- Monitored performance in Marvel of Hive versus Logstash by extracting location coordinates of ip address field of ES index where Hive was observed to be better than Logstash.
- Analyzed and visualized data in Kibana for successes, failures of ip address and generated email alerts using Watcher if failure count of ip addresses reached a particular threshold of 1000.

TechStars (Haubby)   New York, USA **October 2015- December 2015**
Software Development Intern   *(Objective C, ios)*
- Developed ios Chat application for 1000 artists registered on www.glossgenius.com for texting clients regarding appointments scheduled, discounts, offers available. Used JSON parsing for getting artist details, displayed on home page.
- Created data model with Core Data to set up one –to many and reverse one to one relationships between artists and clients.

ArkInc Design and Communication   Pune, Maharashtra, India **June 2014 – July 2014**
Software Development Intern   *(Android, Eclipse)*
- Served as primary Android Developer and developed application for www.riyazmala.com for 100 Indian instrumental music clips using TabHost, Spinner, Multimedia Class and SeekBar within 1 month worth 1,00,000Rs = $1538.46
- Collaborated with a group of 2 to develop www.peoplecert.org for ITIL Certification using PHP and MySQL.

RESEARCH: January 2015

- Published a paper "Accent Correction System" in NCMOC (National Conference on Modeling, Optimization and Control)
- Developed Accent Correction System using Machine Learning Algorithms PSOLA, MFCC and MATLAB for altering the accent to match native English speakers and regression model for correcting the accent under guidance of Prof. Kamble

ACADEMIC PROJECTS:

News Recommendation System *(Cloud)*   *(Python Flask, AWS, JavaScript, HTML, CSS*)   **November 2016-December 2016**
- Built a web app that would recommend news to user based on viewed news using LDA model and Pearson correlations.
- Delivered audio news by converting text to speech using AWS Polly, read BBC news data stored in AWS S3 and stored recommendations in DynamoDb. Implemented email, sms service and login using smtplib, OpenID library of Python.

AI Strategies for 2048 *(Artificial Intelligence)*   **(JavaScript)**   **November 2016 – December 2016**
- Implemented 2048 logic using expectimax, Monte Carlo, Q-learning algorithms and analyzed the performance for each.

Scalable TweetMap *(Cloud)*   *(Python Flask, AWS, node.js, JavaScript, HTML*)   **September 2016-November 2016**
- Developed scalable web app using Twitter Streaming API, OAuth to extract 50K tweets, their sentiments using IBM Alchemy API, store in AWS SQS which notifies AWS SNS regarding the new tweet and stores in AWS Elasticsearch.
- Deployed application using AWS Elastic Beanstalk by plotting all tweets and sentiments on Google Map.

Ms. Pac Man Game *(Artificial Intelligence)*   **(Java, Eclipse, Python)**   **September 2016 – November 2016**
- Implemented, analyzed performance of tree search, evolutionary, supervised unsupervised learning algorithms.

Image EXIF data analysis *(Information Visualization, Big Data)*   **(AWS, Hadoop, Python, d3)**   **February 2016-May 2016**
- Analyzed camera brands and their models through interactive graphs to help camera manufacturers understand how their competitors are performing by answering few analytical questions.
- Cleaned 1.4M image EXIF data and performed MapReduce operations, join, aggregations using AWS and python.

Hood Chat (Databases)   **(PHP, MySQL, JavaScript)**   **December 2015-January 2016**
- Designed small social networking website for neighbors to get to know each other and their neighborhoods.