

## 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: 3.6/4.0

**Vishwakarma Institute of Technology**

Pune, Maharashtra, India **June 2015**

Bachelor of Technology in Electronics and Computer Engineering, GPA: 3.6/4.0

Minors in Computer Science, GPA: 3.2/4.0

**Course Work:** Databases, Algorithms, Artificial Intelligence, Cloud, Big Data, Business Analytics, Information Visualization

### TECHNICAL SKILLS:

**Proficient in:** Java, Python, MySQL, HTML

**Familiar with:** Spring framework, JDBC, Servlets, JAAS, JSP, C, C++, JavaScript, Android, Objective C

**Tools:** Eclipse, Sense, Amazon Web Services, Code Blocks, Visual Studio **Certifications:** Oracle Certified Associate Java SE 8

### EXPERIENCE:

**Egen Solutions**

**May 2017 – June 2017**

**Software Engineer Intern**

**ClearSky**

*(Java, Spring, AWS, Jenkins, Docker)*

- Developed a REST endpoint that performs GET, POST on weather reading in Java and deployed the war file on tomcat server on AWS instance configured with Java, nginx, tomcat, Jenkins
- Containerized Spring Boot version developed of the same application using Docker and deployed it on AWS instance.

**MovieFlix**

*(Java, Spring REST, Spring JPA, HTML, CSS, Angular, Testing)*

- Created two roles User and Admin where User can view, filter, sort movies by some category and also rate, comment the movies and Admin can add, edit and delete movie from catalog.

**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 Wi-Fi, 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 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](http://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)*

- Developed Android application for [www.riyazmala.com](http://www.riyazmala.com) within 1 month worth ₹1,00,000 = \$1538.46
- Collaborated with a group of 2 to develop [www.peoplecert.org](http://www.peoplecert.org) for ITIL Certification using PHP and MySQL

### ACADEMIC PROJECTS:

**Airline Reservation System (Java)**

*(Java, Spring, JDBC, JSP, Servlet)*

**March 2017- May 2017**

- Built a web app for booking flight tickets for a logged in user from a destination to source for departure and return date
- Connected to SQL database using JDBC Type 4 driver for performing all CRUD operations on the flights, location data
- Used Log4j for logging output for debugging errors and deployed web app using Apache Tomcat server.

**News Recommendation System (Cloud)**

*(Python Flask, AWS, JavaScript, CSS)*

**November 2016 – January 2017**

- 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.

**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

**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 for answering analytical questions
- Cleaned 1.4MB image EXIF data and performed MapReduce operations, join, aggregations using AWS and Python