

# Vinodh Reddy Velemineeti

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[LinkedIn](#) | [Portfolio](#) | [Github](#)

## Education

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### Rutgers University | New Brunswick, NJ

Master of Science in Computer Science, GPA 3.75

September 2017 – May 2019

### Dhirubhai Ambani Institute of ICT | Gandhi Nagar, India

Bachelor of Science in Computer Science, GPA 3.74

July 2011 – May 2015

## Skills

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**Programming:** Python, C#, .Net, Java, C, SQL, NoSQL, JavaScript

**Web Technologies:** Django, Flask, HTML, CSS, Bootstrap, JavaScript, JQuery, Ajax, AngularJS, React

**Databases:** MySQL, SQL Server, PostgreSQL, MongoDB, Elastic Search, Redis, Neo4j, Hadoop, Spark

**Libraries and Tools:** Docker, Jenkins, AWS, Git, MVC, Rest, Nginx, Pandas, NumPy, Scikit-learn, Linux, Jira, IntelliJ, PyCharm

## Experience

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### State Street Corporation | Princeton, NJ

#### Software Engineering Intern

June 2018 – December 2018

- Developed Community Detection algorithms to find groups of companies that are related together based on Competitor and Supplier Chain relationships (Data Source: Factset) stored in our Knowledge Base (**Neo4j** – Graph Database).
- Designed and developed **Rest APIs** using **Python, Flask**. Worked on analyzing and processing data using **Spark, Kafka**.

### Kuliza Technologies | Bangalore, India

#### Software Developer

May 2015 – August 2017

- Designed and developed highly scalable web applications and Rest APIs using **Python, Django, C#, HTML, CSS, JS, SQL**.
- Worked on design and architecture patterns like **MVC, MVT, Microservices** in Agile Environment.
- Configured and hosted web applications on Amazon Web Services (**AWS**) using Nginx, IIS, Unicorn, Supervisor.

### MAQ Software | Hyderabad, India

#### Software Engineering Intern

December 2014 – May 2015

- Designed and developed **Business Intelligence (BI)** solutions using C#, **SSIS (ETL) and SSAS**.
- Improved the performance of database/queries by 20 percent through techniques likes Indexing, Partitioning, Purging.

## Projects

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### Predicting Stock Price Momentum

Fall 2017

- Developed a Neural Network to predict the momentum of future stock prices of S&P 500 companies by discovering hidden patterns from past stock prices, calculating financial indicators, sentiment analysis of related financial news.

### Product Rating Estimate from Tweets

Spring 2018

- Based on keywords/hashtags related to a product/brand, we estimate its public sentiment index by fetching the tweets related to the keywords and using a deep learning model to classify their sentiment. Achieved a test accuracy of 83%.

### Investor-Entrepreneur Engagement Platform

August 2016 - August 2017

- Developed a web application for entrepreneurs looking for funding and investors who would like to invest. Entrepreneurs/Investors can create groups (like Facebook groups) with other investors/entrepreneurs having common interests and invest as a group in enterprises.

### Amazon Movie and TV shows Recommendation System

Spring 2018

- Developed a web app that recommends Movies and TV Shows for each user based on his previous purchases and his ratings for each one. Built a hybrid model using content based and collaborative filtering techniques like KNN, Matrix Factorization.

### Carpooling Website (Ride Buddy)

January 2014 - May 2014

- Designed a web app where a commuter can post about a vacancy in one's car or simply reserve a trip with other commuters.

## Activities & Awards

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- Worked as Teaching Assistant for Big Data Analytics and Databases courses of 40 students each (*January 2018 - May 2018*).
- Was awarded **Za-Bond** for significant contributions and consistent performance throughout the year (**Kuliza**, 2016).
- Secured a rank in the top 1% out of the 1.2 million students who appeared for All India Engineering Entrance Examination.