

Vinodh Reddy Velemineti

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

EDUCATION

Rutgers University, New Brunswick, NJ

Master of Science (MS) in Computer Science, GPA: 3.83

Expected May 2019

Dhirubhai Ambani Institute of ICT (DA-IICT),

Bachelor of Science (BS) in Computer Science, GPA 3.74

May 2015

SKILLS

Programming: Python, C#, C, C++, .Net, Java, R, Scala, JavaScript, SQL, Node.js

Web Technologies: HTML5, CSS3, JavaScript, AngularJS, React, Node.js, Django, Entity Framework

Databases: SQL Server, MySQL, PostgreSQL, Elastic Search, Redis, MongoDB

Frameworks/Tools: Spark, Hadoop, Numpy, TensorFlow, Pandas, Scikit-Learn, Git, AWS, NGINX, SSMS, SSAS, SSIS, ETL, Celery

PROFESSIONAL EXPERIENCE

Graduate Teaching Assistant, Rutgers University, New Brunswick

Jan 2018 – Present

- Conducting weekly lectures, help design course structure, grade tests for Big Data Analytics (R Programming) and Database Systems classes of 40 students each.

Senior Software Developer, Kuliza Technologies, Bangalore, India

May 2015 – August 2017

- Designed and developed web applications using Python, Django, C#, HTML5, CSS3, JavaScript, AngularJS, MySQL, PSQL.
- Developed secure Rest APIs for mobile, web apps and integrated various third-party APIs using Python, C#, and .Net.
- Mentored interns by conducting onboarding sessions, designing assignments and providing them constructive feedback.
- Worked on design and architecture patterns like MVC, MVT, Micro Services.
- Configured and hosted web applications on Amazon Web Services (AWS) using Nginx, IIS, Unicorn, Supervisor.

Software Engineer Intern, MAQ Software, Hyderabad, India

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 like Indexing, Partitioning, Purging etc.
- Worked on OLAP Databases, MDX Queries, Stored Procedures, Performance enhancement techniques.

PROFESSIONAL PROJECTS

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. **Tech Stack:** Python, Django, Celery, Redis, Elastic Search, AWS, Nginx, Bitbucket, Jira

Virtual Phone Box Application

May 2015 – Aug 2016

- Created a smart intelligent web application that allows sales representative of a company to load the list of contacts from various CRM's like Salesforce, SAP etc. and dial them through the application, schedule meetings, breakthrough deals. **Tech Stack:** C#, ASP.Net, MVC, OOP, SQL Server, IIS, Git, Asana, Front-end: HTML5, CSS3, JQuery, AngularJS

ACADEMIC PROJECTS

Image Colorization

November 2017 – December 2017

- Implemented Neural Network to color gray scale images using statistical prior knowledge gained from training with a dataset.

Predicting Stock Price Momentum

October 2017 – December 2017

- Developed a Machine Learning Model which predicts 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 and their competitor's performance. **Technologies Used:** Python, TensorFlow, Pandas, Spark.

Book Recommendation System

October 2017 – December 2017

- Designed web app which recommends books to users based on their similarities to other users by using historical ratings to books. It also suggests similar books Used CF techniques like KNN and Matrix Factorization. **Technologies Used:** SQL, Django, Pandas, Scikit-Learn, JavaScript, Bootstrap Python.

Centralized Logging and Monitoring System

May 2015 – June 2015

- Developed a Centralized Logging System using ELK stack to search through web server logs in real time. Used Filebeat and Logstash to centralize logs spanning multiple servers, Elastic Search to store and process the logs and Kibana to analyze them.

Carpooling Website (Ride Buddy)

January 2014 – May 2014

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