Vinodh Reddy Velemineti

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Education

Rutgers University, New Brunswick	**Sep 2017 - Exp. May 2019**

MS in Computer Science
- Introduction to AI, Algorithms, Storage Retrieval and Deep Learning

Dhirubhai Ambani Institute of ICT	**2011–2015**

Bachelor of Technology in ICT — *GPA: 7.99/10*
- Algorithms and Data Structures, Database Management, Operating System, Graph Theory, Object Oriented Design, Cryptography

Skills

Programming: Python, C#, C, Java, .Net, MySQL, SQL Server, PostgreSQL, Spark, Pandas, Elastic Search, Redis

Web Technologies: Django, HTML5, CSS3, JavaScript, Jquery, AngularJS, Ajax, React, Node.js

Systems and Tools: AWS, SSMS, SSAS, Nginx, Gunicorn, Celery, Git, Logstash, NumPy, Scikit-Learn, Pycharm, Visual Studio

Experience

Kuliza Technologies Pvt. Ltd.	**Bangalore**

Senior Software Developer, — *May'15–Aug'17*
- Designed and developed web applications using Python, Django, C#, HTML5, CSS3, JavaScript, AngularJS, MySQL, PostgreSQL.
- Integrated various CRM's like Salesforce, SAP, Oracle, Dynamics etc.
- Developed secure Rest APIs for mobile and web applications and also integrated various third party APIs using Python, Django and C#.
- Worked on design and architecture patterns like MVC, MVT, Micro Services.
- Configured and hosted web applications on Amazon Web Services (AWS) using Nginx, Gunicorn, Supervisor

MAQ Software.	**Hyderabad**

Software Engineer Intern, — *Dec'14–May'15*
- Designed and developed Business Intelligence(BI) solutions using C#, SSIS (ETL) and SSAS.
- Worked on OLAP Databases, MDX Queries, Stored Procedures, Performance enhancement techniques.

Professional Projects

Virtual Phone Box Application	**C#, MSSQL, Jquery, HTML, CSS, H20.ai**	**Team of 16**

Kuliza Technologies, Bangalore — *May'15–Aug'16*
- It is a smart intelligent web application which 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. It also provides recommendations like the best time to call a contact.

Investor-Entrepreneur Engagement Platform	**Django, PSQL, NLTK, Redis, JS**	**Team of 3**

Kuliza Technologies, Bangalore — *Aug'16–Aug'17*
- A web platform for entrepreneurs looking for funding and investors who would like to provide investments. Entrepreneurs/Investors can create groups(like Facebook groups) with other investors/entrepreneurs having common interests and invest as a group in enterprises.
- It also has a Digital Lending platform engine through which DSA's or Small and Medium sized enterprises (SME's) can avail unsecured loans by providing the necessary details and documentation.

Technical Projects

Predicting Stock Price Momentum	**Spark, Pandas, Python, TensorFlow**	**Team of 2**

Guide: Prof. Gerrard de Melo — *Oct'17–Present*
- We are designing a system (Machine Learning Model) that will predict the momentum of future stock price index of S&P 500 companies by discovering hidden patterns from historical stock prices, calculating financial indicators and sentiment analysis of the related financial news.

Book Recommendation System	**Python, Pandas, Django, HTML, JS**	**Team of 3**

Guide: Prof. James Abello — *Oct'17–Present*
- We are designing a web app which recommends books to a user based on their similarities to other users by using the user ratings to books. Collaborative filtering techniques like Nearest Neighbours and Matrix Factorization are used to calculate the similar users. It also suggests books similar to a book

Minesweeper Game	**Python, Tkinter**	**Team of 4**

Guide: Prof. Wesley Cowan — *Oct'17–Nov'17*
- We developed an application/AI agent which automates the playing of Minesweeper game using inferences from the current knowledge of the board. Next cell to be explored is determined by a motive of both balancing achieving a goal and also collecting new information.

Carpooling Website (Ride Buddy)	**MySQL, Django, HTML, CSS, JS**	**Team of 8**

Guide: Prof. Pranav Joshi — *Jan'14-May'14*
- A web portal where a commuter can post about a vacancy in one's car or simply reserve a trip with other commuters. Integrated OAuth of Facebook and Google for login and SMS notification using third party API.

Centralized Logging and Monitoring System	**ELK, Beats**	**Team of 2**

Kuliza Technologies, Bangalore — *May'15–Jun'15*
- Developed a Centralized Logging System using ELK stack to search through web server logs in near real time. Used Filebeat and Logstash to centralize logs spanning multiple servers, Elastic Search to store and process the logs and Kibana to analyse the logs