

# VIJAY PAGIDOJU

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A Software Engineer skilled in Machine learning Algorithms with TensorFlow and keras with experience over 2 years as a Software Developer programming, configuring data, automating data flow and testing, which have translated to better understand the right data and use the right algorithm for it, in making an efficient model.

## Skills

**Languages:** Java, Python, C#, HTML

**Algorithms:** CNN, MLP, SVM, DT, KNN, NB, Ensemble

**Libraries:** Keras, Scikitlearn, NumPy, Matplotlib

**IDE:** Eclipse, Ipython-Notebook, Visual Studio/Ranorex Studio

**Data:** SQL, MongoDB, Liquibase

**Methodologies:** Agile, Jira

**Repositories:** Bamboo, Git, BitBucket

**Math:** Probabilities, Statistics, Lin.Algebra

## Projects

**Invasive Species**, GitHub: [InvasiveSpecies.git](https://github.com/vijaypagidaju/invasive-species)

June 2018

- Designed a Prediction Model to find Invasive Species amongst all the species, to save ecosystem, cost incurred and reduce researchers valuable time spent finding those species. The Project is designed based on Transfer Learning, Image Classification CNN and achieved an accuracy score of 0.98997 on Kaggle, standing in top 19% on kaggle leaderboard.

**Customer Segments**, GitHub: [CustomerSegment.git](https://github.com/vijaypagidaju/customer-segments)

April 2018

- Designed a Prediction Model to create clusters of customer segments to make use by the business owner for his/hers delivery change using K-Means Clustering and achieved the best fit for clustering the data provided.

**Finding Donors For Charity**, GitHub: [FindingDonors.git](https://github.com/vijaypagidaju/finding-donors)

March 2018

- Designed a Prediction Model to find right donors for the Charity using Support Vector Machine (SVM) and achieved accuracy for the Designed Model is 82.54%.

## Work History

**Software Developer**, 12/2017 to Current

**Centene Corporation** – Chesterfield, MO

- Decreased the duplicate code by around 10%, increasing code efficiency during the very first month.
- Responsible for automating a key module, which achieved an increase in automation coverage by 10% for the entire automation done for over 2 years.
- Created a project, integrating 5 applications to introduce End to End applications data flow, which totally decreased the manual work by 20-30%.

**Software Developer**, 02/2017 to 11/2017

**Paragon Solutions** – Cranford, NJ

- Introduced key measures to stabilize the functionality and increased the coding efficiency by around 20% in a team of 8 developers.
- Responsible for introducing and Configuring Database security using Liquibase, which received a huge appreciation, for the entire team of 12, from the business owners.
- Handled responsibility as a lead for 4 developers for a temporary time before the final demo to recreate an entire module, which was delivered successfully within given short duration and reached expectations.

**Software Analyst - Intern**, 08/2016 to 01/2017

**Eminent Software Services** – Hartford, CT

- Served as one point-of-contact for project management staff for the analysis of projected application development.
- Documented and Presented the intended application for the key business owners and received a huge applaud for the work done on a short notice.
- Coordinated with systems partners to finalize designs and to confirm requirements.

**Assistant Manager**, 02/2012 to 07/2015

**Axis Bank** – Hyderabad, India

- Managed transactions diligently, resulting in an increase of audit compliance by 20% across the branch audit for FYI 2013-14.
- Played a Key role in increasing the customer portfolio for the branch by 35% in the first year of branch FYI 2012-13.
- Over achieved the allotted income of the branch at 150% in FYI 2014-15, received several achievement recognitions and made the branch play a key role in circle portfolio achievements.

## Education

**Udacity:** Machine Learning Nanodegree

May 2018

**University of Central Missouri:** Computer Science Graduate

December 2016

**Jawaharlal Nehru Technological University:** Electronics and Communication Engg

June 2011