**Srinivas** **Prashanth** **+919380065685|prashanth.kandula27@gmail.com**

**Professional Overview**

Looking for a challenging opportunity in the field of Data Science for full time application of my skills as well as enhancing my skills as the career progresses. Industrial experience in building deep learning models from scratch using Kera’s, TensorFlow in the domain of Computer Vision, NLP. Created models for predictions in field of Banking and Telecom sector with state of art accuracy using Machine Learning. Efficient in debugging the model using PyCharm Environment. Gained high level knowledge on Machine Learning, Deep Learning by completing certifications from Deep Learning specialization (Coursera), Full stack Data Science (Machine Learning, Deep Learning) and Statistical analysis from Jigsaw. Professional experience on coding in C#, worked on CRM and SQL Server as a developer.

**Professional Experience**

**Wipro Technologies**  
**Roles:** Associate Data Scientist

**Client**: DC Waters

**Duration:** June-18 to March-19  
**Responsibilities:**

* Involved in training Deep Neural Network model for Pipeline Anamoly Detection for a reputed organization using Microsoft CNTK Transfer Learning approach.
* Image preprocessing using OpenCV techniques such as Motion vectors and various edge detection algorithms.
* Trained a deep learning model for Text extraction to extract length information present on each image.
* Came up with Data Augmentation technique for Anomalies which are having less images during model training.

**Wipro Technologies**  
**Roles:** Associate Data Scientist

**Client**: Wipro Internal

**Duration**: Jan-18 to May-18  
**Responsibilities:**

* Analyzing data which includes data collection, data cleaning, data transformation and visualizing data to come up intuitive and interesting insights which helps in problem solving.
* Using those insights building up features which on combination with machine learning algorithms helps to predict the future behavior
* Involved in feature extraction process to identify important features that helped in prediction of customers defaulting the loan for a reputed banking services company. Implemented various machine learning algorithms to get the state of art accuracy.

**Wipro Technologies  
Project Engineer  
Roles:** Developer for HP IT management tool, Implemented enhancements using C#, SQL Server.

**Client**: Hewlett Packard (HP)  
**Responsibilities:**

* Provide full lifecycle support to Business from initial interaction through requirement analysis, design, coding, testing, debugging, implementation and integration
* Perform Code debugging on Plugins and Workflows (Microsoft CRM), Stored Procedures in SQL server to trace out the issue.
* Prepare the implementation plan and for the change implementation.
* As a System Level Support been responsible for solving high priority incidents within the SLA (Service Level Agreement).

**Data Science Academic Projects**

* **Sentiment Analysis on IMDB Dataset:** Performed sentiment analysis on IMDB dataset by using Sequential Models. Steps involved are basic data preparation, converting the data into sequence and padding. Then using LSTM networks to understand the training data.
* **Sentiment Analysis on Amazon Review Dataset:** Application of Random Forest, stacked model architecture on Amazon Review Dataset for sentiment analysis. Also implemented Hyper-opt package to automate the hyper parameter fine tuning.
* **Predicting customer attrition in telecom sector:** To predict the factors attributing to the customer Attrition from a given set of variables.  
  **Models Built:** Principal Component Analysis (PCA), Logistic Regression, Decision Trees and Random Forests
* **Customer Loan Prediction:** To predict whether the customer will default on repaying the loan using historical data.  
  **Models Built:** Logistic Regression, Random Forests, Gradient Boosting  
  **Best Model Selected:** Gradient Boosting.

**Internship**

**Wipro Technologies**  
**Project Trainee**

**Role(s): Application Development and Maintenance**

**Responsibilities:**

* Trained rigorously on C-Sharp, ASP.NET framework and MVC.
* Built knowledge on building an application from scratch both front end and back end.
* As a part of training successfully developed Helpline portal for collection of complaints both front end and back end using ASP.NET**.**

**Skillset and Coursework**

**Programming Languages:** Proficient in R and python (numpy, pandas and scikitlearn libraries), Data Visualization using (Seaborn, Pandas), Machine Learning using Python, Entity Framework using C#, MVC, asp.net, databases SQL query language, JavaScript, HTML&CSS

**Relevant Coursework**: Inferential Statistics and Hypothesis testing (Advanced) in Excel and R, Multivariate Data Analysis (both in R and python), Dimensionality Reduction, Data cleansing and Predictive Modelling, Advanced Visualization using plotly and cufflinks modules.

**Certifications**

**Deep Learning Specialization by Andrew Ng, Deep Learning.AI**

* It is a five course specialization which covers the foundations of Deep Learning, helps us in understanding the functionality of Basic Deep learning algorithms.
* The course structure is defined to from basic level to advanced level. It starts by introducing basic algorithms such as Gradient Descent and various optimization algorithms.
* This course also offers knowledge on building end to end deep learning solution, diagnose errors and find out the most prioritize ways to reduce the errors.
* This course also covers advanced concepts in deep learning such as Convolution Neural Networks, RNNs, LSTMs and NLP and offers assignment to complete for each of these advanced topics.
* Through this course gained high level understanding of Training word embeddings such as Glove, Word2Vector or application of pretrained word embeddings for solving various NLP problems.
* Completed various assignments on Convolution neural networks, Sequential models (GRU, LSTM), Machine Translation models using Attention mechanism, Trigger word detection problems using GRU.

**Full Stack Data Science Certification from Jigsaw Academy**

* As a part of certification learned hypothesis testing framework along with different types of hypothesis tests
* Data cleansing and preparation, Dimensionality Reduction Techniques.
* Data Visualization using Seaborn and inbuilt Pandas using Python
* Predictive Analytics in R involving Regression and Classification problems along with time series forecasting and few non supervised algorithms such as Clustering
* Machine learning algorithms in Python both supervised and non-supervised
* Tree Based Ensembles such as Bagged Trees, Random Forests and Boosted Trees
* Neural networks covering Multi Layered Perceptron and Convolutional Neural Networks using Python.

**Achievements**

* Been to HP Client location to handle post deployment activities.
* Got client appreciations many times for on time deliverables.

**Educational Qualification**

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| --- | --- | --- | --- |
| **Program** | **Institution** | **%CGPA** | **Year of Completion** |
| B tech in Mechanical Engineering | SRM Institute of Science and Technology Chennai | 8.0 | 2016 |
| XII (AP BOARD) | Chaitanya college | 92% | 2012 |
| X (AP BOARD) | Sri Chaitanya Schools | 91.5% | 2010 |