

Professional Overview

Seeking 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 Microsoft CNTK, Keras in the domain of Computer Vision. 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. Trained on Full stack Data Science (Machine Learning, Deep Learning) and Statistical analysis with certifications. 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: 6 Months * (May-2018 to Present)

Responsibilities:

- Involved in training Deep Neural Network model for Pipeline Anomaly 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: 5 Months (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)

Duration: Nov-16 to Nov-2017

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 Projects

- **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

Duration: June-2016 to Oct-2016

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

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

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

Self-Assessment

I set high standards for myself and have my own dreams and ambitions. I have a flair for learning new things and persistence in problem solving. I strongly believe with my skills, analytical and logical ability, diligent efforts I can prove to be an asset to any organization.