

RAJESH SHARMA

Specialist Development

7.6 years experienced IT professional looking for a role in delivering machine learning solutions concerning insurance and healthcare domain problems. Also, interested in analyzing medical data to develop more accurate & advanced disease diagnosis systems.



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WORK EXPERIENCE

Specialist Development Sun Life Financial India

Responsibilities

- Developed the ML Classifier for predicting the PII columns in the source tables after training the model on a data dictionary.
- Participated in the prediction modeling event to develop the ML classifier for predicting "Client Rollover" with a ROC score of 0.92.
- Playing the role of ETL Lead to build the Operational Data Store which can further be used as a one-point source for Data Analytics.

Consultant Deloitte Consulting USI

Responsibilities

- Worked in the project for predicting the mapping of a Financial Source database system with OFSAA(Oracle Financial Services Analytical Application) relational tables.
- Involved in the Data Lake project for the world's premier healthcare company using BigData(PySpark and HDFS) ecosystem.

PUBLICATIONS

Online Blog Writing

Coronary Artery Disease prediction using Ensemble methods and Boosting Techniques 🔗

Author(s)

Rajesh Sharma

Feb-01-2020

Medium.com and Analytics Vidhya

In this blog, I have explained the Data pre-processing, EDA and Data Visualization steps that I performed while building the ML model for predicting heart illness.

Online Blog Writing

Deep Dive in Machine Learning with Python 🔗

Author(s)

Rajesh Sharma

Oct-05-2019

Medium.com and Analytics Vidhya

This blogging series comprises 15 blogs where I have shared my real-life experience for the people who want to learn or discover the fascinating field of machine learning using python.

SKILLS

Data Science

Machine Learning

AWS SageMaker

Python 3

Predictive Modelling

JupyterLab

DevOps

BigData

Data Engineering

DATA SCIENCE PROJECTS

Predict Underwriting score against Autistic cases 🔗

- Developed the ML model for predicting the probabilistic underwriting score for health, disability and long term cure insurances against Autistic cases in children, adolescents, and adults.

Coronary Artery Disease prediction 🔗

- Developed the ML classifier to predict the heart illness in a person by using Ensemble methods and boosting techniques.
- As an outcome, it predicts the existence of artery blockage categorized in binary class.

Predict Autism Spectrum Disorder 🔗

- Developed an accurate machine learning model to predict the Autism Spectrum Disorder in Children, Adolescents, and Adults.
- Currently, I'm transforming the work into a research paper to publish the project achievements in International Technical Journal.

Predict Multi-class Cardiac Arrhythmia 🔗

- Presently working on this use case with the aim to distinguish between the presence and absence of cardiac arrhythmia and to classify it in one of the 16 possible classes.

CERTIFICATIONS

Statistics Foundations - 1 (10/2019) 🔗

Program: National Association of State Boards of Accountancy (NASBA)
Continuing Professional Education Credit (CPE): 3.40

Statistics Foundations - 2 (10/2019) 🔗

Program: National Association of State Boards of Accountancy (NASBA)
Continuing Professional Education Credit (CPE): 3.00

Python Statistics Essential Training (11/2019) 🔗

Learned statistical concepts like cleaning/visualizing/describing data, statistical inference and build analytics skills using Python.

HONOR AWARDS

GEM Award (01/2020)

Sun Life Financial India

- Awarded with the prestigious GEM award for outstanding contribution in the project in quarter Oct-Dec 2019.

Spot Award (11/2017)

Deloitte Consulting USI

- Awarded for developing a successful proof-of-concept("PM BOT") using python with a specialization in ML & NLP, also delivered its live demonstration in the "IT Analytics Summit 2017".