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Bengaluru, Karnataka, 560066

BHARADWAJ Y.R.

EDUCATION

GREAT LAKES INSTITUTE OF MANAGEMENT
Chennai, Tamil Nadu
Post Graduate in Management
Machine Learning, AI and Business Analytics (May 2019)

AUDISANKARA INSTITUTE OF TECHNOLOGY
Nellore, Andhra Pradesh
Bachelors in Technology
Electronics and Communications (May 2015)

ADDITIONAL SKILLS

Machine Learning
Deep Learning
Python 3.6
SQL
IBM SPSS
Tableau
Power BI
Statistical Analysis
Jamovi
ASP.NET
MVC
C#
JQuery
G-Power

CAREER OBJECTIVE

To secure a position as Machine Learning developer/ DataScientist or a Statistician to showcase my skills and strive hard for the upliftment of the organization

EXPERIENCE

INDEPENDENT MACHINE LEARNING DEVELOPER

NA, Bengaluru, Karnataka / Jun 2019 - Present

- Developed a Machine Learning Model for a Health care organization which would take various attributes of a Bone Marrow as Input features and predict the death of a person using Random Forests.
- Responsible for development of a Machine Learning model that would predict the type of the crop that should be cultivated based on soil Characterstics. This is a Classification problem where multiple models such as Logistic Regression, Naive Bayes, CART, KNN, Random Forests, ADABoost, SVC were used and various metrics like Accuracy , F-1 Score and AUC were calculated inorder to determine the best model.
- Lead a team of 5 where a Machine Learning model to determine Customer Satisfaction in Railways using various Features that were determined through Qualitative Analysis was devised. The ask was to build a Regression Model , therefore several Regression models such as Linear Regression and its advanced models(Ridge and Lasso) , CART, Random Forests, SVR , ANN were devised and the metric RMSE was calculated for all the models and the model with the least RMSE is considered.
- Hands on Experience in various Deep Learning Models such as ANN, CNN, RNN and LSTM networks. Developed various Artificial Neural Networks models using Keras with multiple Hidden layers and RELU activation Function. Similarly for Classification problem the activation Function was changed to Sigmoid Function.
- Developed a NLP model where Text was the only Input Feature and one have to predict the sentiment of the Text (two- level Label) .Used NLTK package and TF-IDF Vectorizer to convert the Text to Vector Embeddings and ran a Classification Model to predict the Sentiment of the Text.
- Developed several mini applications using Flask where some of the models were deployed by a PaaS called Heroku
- Great Understanding Limitations of LSTM, BERT Architecture and its applications and GPT-3 Applications.

BUSINESS ANALYST

Tata Consultancy Services, Bengaluru, Karnataka / May 2019 - Present

- Responsible and Accountable for performing the Impact Analysis thereby bridging the Gap between Requirements and the Code Development.
- Perform Defect Prevention and Causal Analysis thereby preventing the bugs in the code by analyzing the Root Cause for the Defects.
- Generates Reports on Incidents and present it to the Clients about the progress of existing Incidents using Tableau or Power BI
- Mentors a team of new developers, helping them to understand the Business ask and suggest them an optimal way to code.
- Devised a new tool called Log Converter which would take JSON format as Input and outputs XML. This tool has reduced time taken to analyze any Incident drastically.

SYSTEMS ENGINEER

Tata Consultancy Services, Bengaluru, Karnataka / Jan 2016 - Apr 2019

- Developed web pages and performed backend coding for U.K based Insurance Client "RPMI" using ASP.NET, MVC, SQL , JavaScript, Jquery and C#.
- Received Employee of the Quarter for developing a critical process in a tightly scheduled time-line.
- Developed an application that would send a SMS to mobile phone whenever the services were down using Twilio API.
- Responsible for monitoring the Automatic communications between various systems and analyzing the failures if any.

INDEPENDENT STATISTICIAN

NA, Bengaluru, Karnataka / Apr 2019 - Present

- Founder of a website "solvestatisticsproblems.com" where various Academic and real World problems related to Statistics would be addressed.
- Sound Knowledge in IBM SPSS and could perform various tests related to the data and its behavior.
- Proficient in Normality Tests, Two sample t test, Dependent T test, Chi Square Test, ANOVA as well as non parametric tests.
- Teaches various students on topics like Descriptive Statistics, Inferential Statistics ,Discrete Random Variables, Continuous Random Variables, Probabilities to name a few.