ABHISHEK KUMAR

DATA SCIENTIST
LOCATION: BANGALORE

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About Me: A Versatile, Innovative and High-Energetic individual targeting challenging problems in **Data Science/Data Analysis/Data Mining/Statistical Modeling** with organizations of repute. Having skills in handling multiple tasks on daily basis competently, performing well under pressure and learning from the day to day challenges and odds.

KEY RESPONSIBILITIES

- Building the data dictionary and data collection mechanism.
- Processing, cleansing, and verifying the integrity of data used for analysis.
- Driving the data mining and visualization activities for the project.
- Hands-on with feature selection, building and optimizing classifier and predictive models.
- Reporting of experiment's results to Team lead and Managers.
- Identifying the optimal approach to solve data science problems.
- Building machine learning interpretability/explainer models.

TECHNICAL SKILLS

- **Data Science:**
  - **Concepts:** Predictive Analytics, Time-Series Forecasting, Recommendation Systems, Image Classifier, Natural Language Processing, Customer Sentiment Analysis, Artificial Intelligence (A.I).
  - **Machine Learning:** Regression Techniques, Clustering Techniques, K-NN, SVM, Decision Tree, Random Forest, and Association Rule Mining, Regularization Techniques (Lasso, Ridge, and Elastic Net)
  - **Time Series Analysis:** ARIMA Model
  - **Deep Learning:** LSTM, CNN, RNN, Back-propagation, Gradient Decent.
  - **Data Analysis:** Data Preprocessing (EDA), Hypothesis Testing, PCA, Data mining, Data Cleansing, Storytelling by Data.
- **Libraries:** Numpy, Pandas, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn, ggplot2, NLTK, torch, Scipy
- **Programming Languages:** Python, R, JavaScript and SQL (PostgreSQL, MySQL).
- **Data Structure:** Binary Tree, Linked List, Stack, Queue, Big-O Notations.
- **Tools:** Visual Studio Code, Jupyter Notebook, R Studio, MS-Office, Tableau, PyCharm, Atom, Sublime Text.
- **Version control:** Git/Github
- **Frameworks:** Django, Restful APIs

PROJECT EXPERIENCE

- **Predictive Lead Scorings and Lead Classification for ZIVA-CRM.**
  - *Role: Data Scientist (ICET IT Solutions, December 2019)*
    - **Roles & Responsibilities:**
    - Develop and manage data/databases to support high performance of the system.
    - Managing the team to have the clear understanding of the entire model workflow.
    - Analyzing the dataset and delivering quality preprocessed data by communicating with the clients as per their requirement.
    - Implemented Classification Techniques on various customers and segregating them into different categories on the basis of their purchase history.
    - Worked closely with the development team to implement the workflow of the models using the python framework.

- **Product Recommendation System for Amazons' Ecommerce Platform (Collaborative-Filtering based recommendation based POC for Internal Product.)**
  - ➢ **Project Description:**
    - o Implemented Classification Based Collaborative filtering based recommended system using Logistic Regression.
    - o The system was designed to provide most relevant product recommendations to users.
    - o The system was also capable of providing certain amount of discounts to different classes of buyers.
    - o Implemented Association Rule mining for the same to check the performance of the system in R using package 'arules' to analyze different rules on the basis of lift, confidence and support.
- **Kaggle Projects:**
  - o Banking fraud detection System:
    Starting from the analysis and pre-processing of data, worked to create an optimised model for the system which gives 15% better accuracy and AUC/ROC than other models using Supervised and Unsupervised ML Algorithms.
  - o Credit-card fraud, UK-House price prediction, Big Mart Sales Prediction, Wine-Price Predictions, Churn-Predictions.

ORGANIZATIONAL EXEPERIENCE

Total work experience – **1.2 years Industrial and 1.5 years of Relevant Exp.**

- ▪ **ICET IT Solutions Private Limited,** Nov 2018 - Dec 2019 (1.2 years)
  Worked as a Data Scientist in various development teams and experienced finding optimal solutions. Created several efficient Business models and innovative problem solving methods for the clients and helped in their business growth. Presented few independent POC's to show the ability of innovative thinking.
- ▪ **Analytics Training Institute**, Aug 2018 - Apr 2019 (9 months)
  Trained under Data Science and Analytics program and learned various tools and technologies which are used by professionals for industrial projects. Worked on different Kaggle case studies to have a clear cut understanding of data science project life-cycle.

PROFESSIONAL TRAINING

Analytics 360+
Name of Organization: Analytics Training Institute, Koramangala
Location: Bangalore
Issue Date: May 2019
Tools/Skills Learned:
- o Advance Excel, R-Programming, Python, Machine Learning, Tableau, SQL, and SAS.
Credentials:
- o https://drive.google.com/open?id=1bmW5hgDq6EdtXtQd5p4HG62HAhT-_iub

EDUCATION

- ➢ **Bachelors of Engineering,**
  REVA Institute of Technology and Management
  Electronics & Communication Engineering   2014 – 2018
  Location: Bangalore
  Percentage: 70%

- ➢ **Senior Secondary - 12th, D.A.V. K.D P.S**,
  Location: Ranchi   2013 - 2014
  Percentage: 72%

- ➢ **Higher Secondary - 10th, D.A.V. K.D.P.S**,
  Location: Ranchi   2011 – 2012
  Percentage: 76%