JAI SHANKAR BHAGAT

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PROFILE SUMMARY

Highly analytical and process-oriented Machine Learning engineer with 2+ years of experience in implementing and deploying the Machine Learning Solutions and in-depth knowledge of Data Science fundamentals, curation, manipulation and visualization. Used insights, analytics for advanced opportunity identification, process re-engineering and corporate growth.

ACADEMIC CREDENTIALS

- **PG Diploma in Data Science** I IIIT-Bangalore I **CGPA** 3.7 / 4   Since July 2017
  A very well structured program which includes mentoring from IIIT-B faculty and industry experts. This course includes more 7 case studies & one Capstone- projects and also giving emphasis on various domain exposure .
  Consistently scored >80th Percentile on all projects for data management, statistics and predictive analytics courses
- **BTECH Electrical Engineering** I **CGPA 8.4/10**   2016
  GIET, Gunupur | BPUT | Odisha
- **10+2** |CBSE 78.4%   2012
- **10th** | CBSE | CGPA 9.4/10   2010

KEY PROJECTS

- **HR Analytics Case Study** Predicted the probability of attrition of employees with 80 % accuracy by analysing over 4000+ customer data using **logistic regression & Random Forest**
- **Credit Risk & Mitigation** Worked on data set containing information about 40,000 past loan applicants and whether they 'defaulted' or not. The aim was to identify patterns which indicate if a person is likely to default, which may be used for taking actions such as denying the loan, reducing the amount of loan, lending (to risky applicants) at a higher interest rate .
- **Car Pricing Dynamics.** Developed a **Regression model** for the price of cars with the available independent variables.
- **Hand Written Digit Recognition** developed a model using **Support Vector Machine** which correctly classified the digits based on the pixel values given as features. The Accuracy achieved was more than 90%.
- **Link to GitHub Repository : https://github.com/JaiBhagat**

WORK EXPERIENCE

1. Data Scientist, *Tata Consultancy Services*, Bangalore   August 2016-January 2019

Client: From Manufacturing and Banking Domain

I . Data Analyst Experience

- An Experience with Tableau, in designing reports using Tableau Desktop.
- Created different KPI using calculated key figures and Parameters.
- Strong Dashboard design Experience and passionate practitioner of effective data visualization.
- Implement statistical and data mining techniques on large data sets to identify trends, figures and other relevant information.

II . Machine Learning Experience

Develop advanced algorithms that solve problems of large dimensionality in a computationally efficient and statistically effective manner (feature engineering, model training frameworks, and model deployments).

1. Credit Paper Data Scrapping:

- The UI based tool have the ability to pick-up multiple credit papers from the directory, process them and keep the scrapped data from nested tables into excel files and building classification model.
- Using NLP toolkit, we are analysing the scrapped data to identify the rating given by bank customers.

2. Email Classification:

- Reading the email from the exchange server and storing them into the database for classification model.
- Reading the email data like to, from, subject, body etc. from the database, performed the Text cleansing activity and build an email classification model to predict the category to which email belongs.

2. Data Scientist, *Infosys*, Bangalore   February 2019-Present

- INTENT a ticket automating tool , working on NLP and Multi Class Classification Modelling Techniques .

PAPER PUBLICATION :

- **Optimising test suite and future bug prediction using ML**
  : Organized by QIA STC 2018

  This whitepaper discusses the machine learning algorithms techniques for the following:
  Future bug or defect prediction, Diagnose current faults/Bugs, Design optimized test suite

KEY SKILLS

- **Machine Learning**: Linear Logistic Regression, SVM, Decision Trees, Random Forest, Time Series Analysis, Naïve Bayes ,KNN,K-means, Natural Language Processing.
- **Analytics Languages**: R, Python, Hive, Sqoop.
- **Visualization tools**: Tableau, R(ggplot2) , Birst
- **Hypothesis Testing, ANOVA, A/B Testing**
- **Statistics & Exploratory Data Analysis**
- **Databases:** MySQL
- **Programming:** C, C++

ACCOLADES

- ➢ Best Team Award & number of client Appreciation in the quarter.
- ➢ I was among top 10 in Branch during college and was a Regular performer in Semester Examinations.
- ➢ Various awards and certificates in Photography.