

# SURBHI WELEKAR

## DATA SCIENTIST

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- Data Scientist at Happiest Minds Technologies experienced in Python, SQL, Machine Learning, Predictive and Descriptive Analytics and NLP.
- Hands-on experience in Python for data analysis using Numpy, Pandas, Matplotlib, Seaborn and Scikit-learn for Machine Learning.
- Knowledge of statistical techniques such as Linear Regression, Logistic Regression, KNN, K-Means, Decision Trees, Random Forest clustering, Gradient boosting algorithms, etc. to solve business problems.
- Familiar with the entire life cycle of a Data science project from translating Business requirements to a Data science problem, identifying potential Data sources, building data pipelines, Model creation and finally presenting results to Business.
- Excellent conceptual and analytical skills.
- Knowledge of NLP in regards to normalizing the data and then doing lemmatization, stemming, TF/IDF.
- Creating Calculated Fields, LOD, adding colors, size, labels and formatting to visualize data.
- Creating group, hierarchy, sets, binning of data, creating Dashboard and adding interactive action and filter to the data.
- Moderately familiar with cloud technologies including Azure Databricks and Knowledge of PySpark fundamentals.

## Skills

Python  
MySQL  
Tableau  
Unix  
Oracle SQL  
Microsoft Excel  
PySpark  
postgreSQL  
Azure Databricks

## Education

S.B.Jain Institute of Technology Bachelor's in Electronics-62.8%	2012 to 2016
SFS College HSC-68%	2010 to 2012
B.R.A's Mundle SSC-90%	2009 to 2010

## Employment

Happiest Minds Technologies Pvt Ltd Data Scientist	Bangalore Feb. 2020 to Current
<ul style="list-style-type: none"><li>• Created initial POC to demonstrate root cause of problems and complaints by Users against Chat bot deployed by client. Positive feedback lead to conversion from POC to full project.</li><li>• Analysed past Conversation Logs of 12 months to come up with overall Good and Bad categories of conversations using various derived features such as Conversation Length, Presence of abusive Words, Overall sentiment of conversation etc.</li><li>• Further categorized Bad conversations into 20 different categories using Conversation text and LDA. Suggested various root cause of problems and recommendations to address them.</li><li>• Created and deployed Predictive models to automatically categorize future conversations into earlier defined categories and monitor various statistics using a Dashboard.</li><li>• Implemented Recency-Frequency Model and performed Sentiment Analysis using of benepar parser.</li><li>• Walked Clients through different approach that are implemented in order to correct the data discrepancies.</li></ul>	

TechMahindra Software Engineer	Pune Mar. 2017 to July 2019
<ul style="list-style-type: none"><li>• Worked on SQL to fetch data to solve customer issues.</li><li>• Automating workarounds of different types of application issues involving SQL and UNIX shell script.</li><li>• Correcting the data discrepancy by investigating it.</li><li>• Walked clients through troubleshooting steps to resolve common software issues.</li><li>• Openreach Siebel is a CRM interface application to Openreach organization for telecom products using Siebel as CRM tool and Oracle as database.</li><li>• The archived data according to SLA is migrated to Hadoop servers and stored in Hive tables, which is used for analytic purpose.</li><li>• The project implements maintenance of Siebel application as well as PL/SQL packages, triggers, dB links and schedulers to perform day-to-day activities.</li></ul>	

## Projects

Credit Card Default Detection (Freelance)	Feb. 2019 to Apr. 2019
<ul style="list-style-type: none"><li>• Objective: The model is developed in order to assess the default probability (90+ days past due) of the retail customers who apply specifically for credit card products.</li><li>• ML Algorithms used: EDA using Python, correlation determination, Logistic Regression Modelling, IV and WOE.</li></ul>	
Personal Loan Prediction	Aug. 2019 to Sept. 2019
<ul style="list-style-type: none"><li>• Objective: To identify the potential customers who have higher probability of purchasing the loan. This will increase the success ratio while at the same time reduce the cost of the campaign.</li><li>• ML Algorithms used: EDA using Python, correlation determination, SMOTE, Logistic Regression Modelling.</li></ul>	

## Awards

Happiest Minds- Team Excellence Award for 2 consecutive Quarters from 2020-2021  
Happiest Minds- Agile Award Q4 2020

## Activities

PGP-Data Science And Engineering	2019 to Current
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## Volunteering

United for Nature Foundation  
Handled social media account of the NGO for publicity