**Gifty Reji Cheruvallimalayil**

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***Professional Summary***

I have been working as a Data Scientist and Python Developer with 4 years of extensive experience and exceptional analytical and critical skills. Highly skilled in Python coding and scripting, Flask framework for website development & deployment and communication.

***Skillset***

Data mining, Data cleaning and imputing, Data Warehousing, Principal component analysis, Statistical data modeling, forecasting, Classification, Clustering, Regression, Text mining, Natural Language Processing and Random Forest.

***Programming*** : Python, PL/SQL, SQL, Java, HTML

***Web Technologies:*** HTML, CSS, Bootstrap, JavaScript, XML

***Developer Tools:*** Pycharm, Visual Studio Code, Jupyter, Oracle, PL SQL Developer

***Database Technologies:*** MS SQL Server, MySQL, PL/SQL

***Visual Reporting/BI Tools:*** Power BI, Data Studio, Tableau

***Cloud:*** AWS, Heroku, Mongo DB

***Frameworks:*** Flask

***Experience***

Dataholic Analytics Solutions Python Developer June 2021 – Present

**Projects**:

Content Analyzer and Summarizer

* Developed custom Text Summarization Web Application to summarize large volume of unstructured text content into a short, precise, and fluent summary using state of the art NLP models like Gensim, Spacy, NLTK and Lexrank.
* Performed data cleaning and analyzed feature importance using word cloud methods.
* Implemented front end of the application using Python, HTML/CSS and JavaScript.
* Developed backend of the application using Flask framework.
* Used Beautiful soup, requests library to process the text reference link.
* Deployed the project into Heroku using GIT version control system.
* Integrated the development tool chain for the model with Postman API.

Employee Attrition Prediction Model

* Developed and implemented classification models for estimating the likelihood of attrition using Random Forest and XGBoost algorithms.
* Created user interface to demonstrate attrition model results using flask and further deployed the application on open source frameworks (Heroku)
* Explored and implemented feature selection and engineering techniques to find important features that affect the attrition rate.
* Derived significant insights about drivers causing employees to leave.

IDFC Bank Data Analyst Sep 2018- May 2021

**Projects**:

Acquisition Scorecard

* Developed and implemented classification models for predicting if a customer will default or not using ML models (Logistic Regression)
* Performed EDA on the records to identify features that lead to customer default.
* Instigated feature engineering and feature selection using Cluster Analysis and Random Forest to extract important features from the data.
* Implemented the model and classified the results to defaulter and non-defaulter based on the threshold value.
* Applied SMOTE (Synthetic Minority Oversampling Technique) for Imbalance Classification.
* Performed Data analysis using Waterfall Analysis and K-statistics.

***Academic Qualification***

MSc. Data Science and Business Analytics SDBI, Patkar Varde College 2020

BSc. Computer Science Nagindas Khandwala College 2017