

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