ARCHANA KALBURGI

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EDUCATION

Stevens Institute of Technology GPA: 4.0 *Masters of Science, Computer Science (Machine Learning) Jan 2021 - (Expected) Dec, 2022*

Visvesvaraya Technological University

*Bachelor of Engineering, Computer Science 2011 - 2015*

COURSES

Machine Learning Fundamentals and Applications, Knowledge Discovery and Data Mining, Deep Learning, Web Mining

EXPERIENCE

IOP Technologies Aug 2018 - March, 2020 *Data Engineer Bangalore, Karnataka ·* Designed and developed data ingestion pipeline (ETL) from 4 different structured data sources. *·* Implemented web scraping modules with Beautiful Soup.

*·* Aided in developing ML module for predicting prices to help make buy/sell decision for electricity units in the Australian market using Facebook’s Prophet (Python).

PROJECTS

Job Change Prediction (Python) *·* Applied machine learning (ML) algorithms over Kaggle HR Analytic data set to predict if an employee would quit or stay in the company and analyzed performances of algorithms.

*·* Performed Exploratory Data Analysis (EDA) to obtain insights from data.

*·* Derived correlation between the predictor variables and the target variable, that in turn helped to obtain the most contributing features in decision-making.

*·* Spearheaded a team of four in organizing and delivery of the project.

Sentiment Analysis for IMDB Movie Reviews (Python) *·* Performed classification on IMDB movie reviews to predict positive and negative sentiments over Kaggle IMDB data set.

*·* Extracted feature-set from reviews using natural language processing (NLP) techniques and applied principal component analysis (PCA) to reduce higher dimension data to a lower dimension. *·* Applied classification algorithms and tabulated the results before and after feature extraction, which helped in fine-tuning the performance of the algorithms.

TECHNICAL STRENGTHS

Languages Python, R, Object Oriented Programming (OOP)

Database PostgreSQL

Machine Learning k nearest neighbor(KNN), naive bayes, logistic regression, linear regression, support vector machine(SVM), random forest(RF),

decision trees

Tools/Framework Avro, MATLAB, Pytorch, Tensorflow, Keras, Numpy, Pandas, scikit-learn, matplotlib, seaborn, NLP, NLTK, GIT, Flask,

Jupyter Notebook, Microsoft Excel, Google Colaboratory