

Aditya Khare

Consultant

IT Professional having total 5 yrs of experience. Working on Data Management using Python Modules, Visualization of Data and building Models for Predictions.



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WORK EXPERIENCE

Python Developer

Capgemini India pvt ltd

08/2020 - Present

Tasks

- Working on Data Management, Major task involve developing tool for loading different kind of data coming from different sources into database like greenplum, postgresql. Preferred Python libraries: Pandas, numpy, sqlalchemy for the process.
- Work on building shell scripts that can be triggered by job scheduler like Appworx.
- Building Dashboard to visualize the failure and success of all kinds of files along with the reasons for occurrence of the failure

Perl/Python Developer

Capgemini India pvt ltd

01/2017 - 07/2020

Pune

Tasks

- Development and enhancement of application (ETL tool) using Perl/Python and shell scripting.
- Worked as Hygiene Lead to upgrade different infrastructure components of the project. Coordinate and work with different stake holders and analyze the impact of change on different applications.

Data Scientist

Great Learning

Achievements/Tasks

- Developed Data Mining Models like CART, Random Forest to Predict Loan Foreclosure Propensity based on the customer demographic and loan repayment records. Enhance the performance of the Model by using different Machine Learning Algorithm using Gradient Boosting.
- Based on the data, 33% of total revenue is lost due to foreclosure out which our model is able to predict 78% of foreclosed customers which contribute 90% to the total revenue loss.
- Build Linear Regression model to predict the time for foreclosure(i.e after completing how much tenure customer might go for foreclosure)

ACADEMIC PROJECTS

Statistical & Probabilistic Analysis

- The project involved drawing inferences from 3 case studies, namely - Wholesale Customer Data (Store Sales), University Survey Data & Manufacturing Shingles Data. The concepts of various measures of Descriptive Statistics, Probability and Probability Distributions and various measures of Estimation & Hypothesis Testing are used to analyse these case studies.

Drug Analysis using ANOVA and Income Analysis using Linear Regression & PCA

- The project involved drawing inferences from 2 case studies, namely - Hay Fever Drug Analysis and Income Analysis. The concept of using ANOVA in the healthcare domain for medicine testing purposes is used. The concept of Linear Regression and Principal Component is used to build a model for Income Analysis.

SKILLS

Data Mining CART RF Clustering

Pyspark ANN Predictive Modeling

KNN Ensemble Models NLP

Naive Bayes Machine Learning

Regularization Technique Linear Regression

Logistic Regression LDA

Data Visualization Tableau Python

pandas numpy matplotlib seaborn

Descriptive Statistics

Probability and Probability Distribution

Hypothesis Testing Anova EDA

PCA Data Interpretation Perl

GitHub

ACHIEVEMENTS

PAT ON BACK Certificate (08/2019 - 08/2019)

For Clearing internal skill to lead test

CERTIFICATES

Oracle Database SQL Expert (01/2017)

Agile for Software Development (08/2020)

Fundamentals of Visualization Using Tableau by UC-Davis (08/2020)

Essential Design Principles of Tableau By UC-Davis (08/2020)

ORGANIZATIONS

Capgemini India PVT LTD (09/2016 - Present)

LANGUAGES

Hindi

Full Professional Proficiency

English

Full Professional Proficiency

ACADEMIC PROJECTS

Tableau

- Visualizing Car Insurance Claims using Tableau : In this project Tableau's data visualization tools were used to create interactive dashboards to provide high-level insights into an Insurance company to drive the company's car insurance schemes. Tableau Public Link: https://public.tableau.com/profile/simanta.nigam.nayak#!/vizhome/Car_insurance_grp_asmt_final_version1/SportsCarStory
- Visualizing House Sales for Boston Real Estate : In this project Tableau's data visualization tools were used to create interactive dashboards to uncover hidden insights for sellers of the properties as well as prospective buyers. Tableau Public Link: https://public.tableau.com/profile/aditya1083#!/vizhome/individualassignment_16066453530870/PrimaryDashboard

Clustering

- The concepts of clustering were used for market segmentation of a particular bank. This particular market segmentation exercise is for understanding the customer a little better for giving promotional offers to its customers.

Data Mining

- The project involved drawing inferences from a case study on Insurance data. The concepts of CART, Random Forest, Artificial Neural Network are used to draw inferences from the case study. Various performance metrics have been used to validate the performance of predictions on Test & Train sets.

Predictive Modeling

- Linear Regression: This project involve accurately predicting prices of the zircon pieces. Since the company profits at a different rate at different price levels, for revenue management.
- Logistic Regression and LDA: This project involve predicting whether a high school graduate will win a full scholarship on the basis of the information given in the data set.

Machine Learning

- This Project involved building a model, to predict which party a voter will vote for on the basis of the given information, to create an exit poll that will help in predicting overall win and seats covered by a particular party.

INTERESTS

Painting

EDUCATION

PG in Data Science and Analytics

Great Learning

03/2020 - Present

Pune

Courses

- Academic e-Port Folio link: <https://eportfolio.greatlearning.in/aditya-khare>
- Certificate Link: <https://olympus1.greatlearning.in/certificate/ABUKOCLO>

B.E in Computer Science and Engineering

Acropolis Technical Campus

05/2012 - 05/2016

Indore