

Pulkit Shrotri
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Career Objective

A seasoned professional and Data Scientist having an intense experience in Energy Markets with the expertise in **Electric Load forecasting**. Intend to build a career where I can apply my skills, knowledge & innovative ideas for the upliftment of my organization in particular & mankind in general & also continuously enhance my knowledge through challenging, learning & Creative environment.

Professional Qualification & Skills

Post Graduate Certification in Business Analytics and Business Intelligence from University of Texas at Austin in association with Great Lakes.

Skills Covered:

Worked as Data Scientist on several projects given in the course including Capstone Project.

-Time Series Forecasting

-Machine Learning

-Predictive Modelling

-Data Mining

-Data Visualization Using Tableau

-Data Gathering, Forecasting & Analyzing the data for development of Business Models as per client's need

- Carrying out research and surveys according to the data gathered and applying various tools for finding out projections for assisting decision making process to the client.

- Worked with R, Python, SQL, Advanced Statistics- ANOVA-One Way & Two Way, Regression Techniques, Factor Analysis, Hypothesis Testing, Clustering & Pruning Techniques, Data Mining, Optimization Techniques, Marketing & CRM, Predictive Analysis & Modelling

B.Tech. in ELECTRICAL Engineering from Babu Banarasi Das National Institute of Technology and Management Lucknow, affiliated to Uttar Pradesh Technical University (UPTU).

-Holds good communication skills and PR which plays a vital role for the enhancement and expansion of any business .

Projects During PG

1. Title- Developed Time Series Forecasting for Australian Monthly Gas Production

Time Series Forecasting

The project involves analysis of components of Time Series data, checking the seasonality fluctuations, monthly plot, decomposition of series, checking the stationarity of series, DE-seasonalise, decomposition of series, manual Arima(ACF & PACF Tests), Auto Arima, residual analysis.

Skills and Tools

Manual Arima fitting & Auto Arima model fitting, Hands on R

Title- Predictive Analysis for Telecom Customer Churn Prediction

Predictive Analysis: Customer Churn is a burning problem for telecom company.

The purpose of this project was to predict through a model that customer will continue their existing service with the client or not.

Skills and Tools

Descriptive Statistics, Exploratory Data Analysis, Regression Modelling, KNN Modelling, Naive-Bayes Modelling, Logistic Regression

2. Title- Market Segmentation in the context of Product Service Management

Advanced Statistics

The project involves performing Factor Analysis as well as Regression Analysis on a certain set of variables. It also requires to take independent variables and perform some correlation matrix to find out if there is any high correlation. Multiple Linear Regression has been performed by taking Customer Satisfaction as the dependent variable and the four factors as the independent variables.

Skills and Tools

Factor Analysis, Multiple Linear Regression, Correlation Matrix, Market Segmentation

3. Title- Evaluated the impact of change in temperature of Cold Storage products during the year

Statistical Methods for Decision Making

The project computed the mean cold storage temperature in different seasons and used hypothesis testing to evaluate if any corrective action is required from the plant's side or the procurement's side.

Skills and Tools

Descriptive Statistics, Inferential Statistics, Estimation & Hypothesis Testing, Predictive Modelling, Market Basket Analysis

Work Experience

Organization: ReNew Power (Climate Connect)

Duration: June 2020- Present

Position held: Engagement & Project Manager for PMC UPPCL

Responsibilities:

*Specialization in load forecasting (**during severe weather and normal days**) and demand forecasting:*

- Leading and managing electric Load Forecasting (including day ahead, intra-day and long-term forecasting) of Uttar Pradesh through the modes of AI and ML based models (Time Series Analysis). Expert in handling Multivariate and Univariate time series.
- As a Data Scientist, leading the team of proficient Data Analysts on Time Series Forecasting and Predictive Modeling for the electrical load of Uttar Pradesh. (From Exploratory Data Analysis to Prescriptive Analysis).
- Proficient in doing microanalysis of all the weather parameters laying the concomitant impact on load.
- Skilled in drawing out the meaningful insights from the data and presenting them to the client.

Adroit in Business Development & Project Delivery:

- Brought the free pilot project on EPM & Load Forecasting of the state utility of Chhattisgarh, to the company through regular presentations and follow up
- Brought the free pilot on “*Loss Reduction through theft analytics*” of Mauranipur division of DVVNL, through personal liasoning. Also, I worked on it by using predictive modelling and various machine leaning models with least misclassification errors while identifying defaulters and non-defaulters in R & Python and prescribed the corrective actions to the discom. Pilot on Demand Response is in the pipeline.

Expert in establishing engagement and relations with Government as well as private clients

Organization: HDFC Bank

Duration: May 2019- May2020

Position held: Teller Authorizer/Govt. Business Head

Responsibilities:

- Headed the responsibilities for all the Govt. Business and Govt. Projects in the Cluster of Three Districts (Gorakhpur, Deoria & Siddharth Nagar).
- Brought the business of 20 Crores in Deoria immediately after joining).
- As a Teller Authorizer, responsible for the Branch Operation and Authorization For smooth and error free transactions.
- Worked on Predictive Modelling and supported the credit card team.

Organization: Visa Power Limited

Duration: March 2014- May2019

Position held: Assistant Manager (Electrical)

Responsibilities:

- Responsible for the construction and maintenance of Electrical Equipment for 2*600 MW at VISA Raigarh Thermal Power Project .

Voluntary Work at Chhattisgarh Vigyan Sabha

- Worked for rural electrification with the concept of solid waste management and extracting the Bio Diesel.
- Worked for mitigation of environmental pollution through horticulture activities on low monetary input on the concept of solid waste management.
- Convinced the Chief Secretary of UP to adopt the model for massive plantation on low monetary inputs of Chhattisgarh Vigyan Sabha in UP.

Personal Skills

- Hardworking & Punctual
- Ability to Lead & work together as Team
- Innovative
- Adaptive
- Good Interpersonal Skills

Achievements

- Topper in debates, extempore, group discussions at college and district level
- Silver medal in debate competition by honorable principal secretary(finance),UP.
- Induced in Sahajayoga meditation which connects the inner being with divine cosmic energy and stabilize the integration by showering the thoughtlessness through Kundalini Awakening.

Training

- 1 month vocational training during B.Tech at NTPC , Unchahar

Hobbies

- Exploring the decisions by analyzing the data
- SUFI singing.
- MEDITATION.
- Listening Music.
- Debates.
- Visiting New Places.

Languages Known

- English
- Hindi

Personal Details

Father's Name: LATE M.M. SHROTRI

DOB: 21/03/1988

Sex : Male

Nationality: Indian

Marital Status: Married

DECLARATION

I hereby declare that the information furnished in the curriculum vitae is true and reliable to the best of my knowledge.

Date: - 6th July 2021

Pulkit Shrotri