

SHUBHAM KUMAR

DATA SCIENTIST

Enthusiast and eager to learn more in the Data Analysis Field with more than 2.5 years of full-time experience in machine learning, statistics, and programming. Passionate about using data to solve real-world problems. Seeking a role in a fast-paced, innovative environment where I can use my skills to make a difference.

EXPERIENCE

AIZANT DRUG RESEARCH SOLUTION PVT LTD

AUG 2020 - PRESENT

Data Scientist

Web application for accessing the similarity of test and reference drug based on dissolution in Python and R.

- Increased productivity by minimizing sources of error with automated data management. Also helped in decreasing the overall cost by eliminating third-party software.

Development and Deployment of a Statistical model for predicting the shelf life of a drug.

- An integrated action plan to mitigate risks in decision-making for out of trend data points to increasing precision by leveraging statistics
- A user-friendly interface for automated reports, allowing non-technical users to easily access and utilize the results without needing to dig into technical details.

Build a recommended system for showing possible warning/violation letter issued earlier by regulatory body if SOPs in use for specific task is not adhered properly.

- Used technique tfidf, BERT and SBERT.
- Helps the trainee to understand the steps critical for drug development.

Developed and maintained a web application for computing the NPV, return on investment (ROI) and projected cash flows over the project's lifespan to analyse the profitability of a project and for creating costing template.

- Clean and intuitive user interface to facilitate input gathering from users, including initial investment, discount rate and future cash flows associated with investment.
- Implemented a robust change tracking system that records all modifications made by users over the project span ensuring transparency and facilitating audits or reviews.

Collaborates with scientists, researchers, and regulatory personnel to provide statistical support throughout the product development lifecycle.

- Translating complex statistical concepts, hypothesis testing, outlier analysis

ACADEMIC PROJECTS

A Regression Based Project on Global Hunger Index.

JAN 2019 - MAY 2019

- Performed EDA, Outliers Detection using cook's distance, Best Subset regression model using Cp-Mallow and Adjusted R2 technique.

Predictive model development for the classification of loan application.

JAN 2020 - MAY 2020

- Use of different classification techniques such as Decision tree, Support vector machine, ANN, Random Forest, and Logistic Regression to select the most appropriate classifier.



CONTACT

shubhamkumar@82575@gmail.com

+91 9650073727

Patna, Bihar 800014

EDUCATION

M.Sc., IIT Kanpur

(2018 - 2020)

B.Sc., Delhi University

(2015 - 2018)

SKILLS

R
Python
SQL
Julia
NLP
Statistics
Machine Learning
Deep Learning
Time Series Analysis
Anova and Design of -
Experiment
Image Processing
Econometrics
R Shiny dashboard
Data Visualization
Statistical Quality Control

Languages

English
Hindi