

Kunika Bhargav

Data Science enthusiast with a strong foundation in statistics and mathematics in general and solving business problem with the help of Data Science and Machine Learning.

WORK EXPERIENCE

Data Scientist Almabetter

02/2022 - Present,

Tasks/Achievements

Bangalore(Remote)

SWOT analysis was carried out to discover and raise awareness of the Linear Models, Decision Tree, Ensemble Models, SVM, KNN, elements influencing **business decisions** and formulate **business plans**. Naive Bayes, Clustering Algorithms, Recommendation System,

Carried out **data cleansing** and presented data in a visual form. Utilizing **NLTK, Flusk. plots and visualizations**,

used. Used **Grid search cv** to get the ideal model parameters.

Data Science Trainee AlmaBetter

06/2021 - Present,

Tasks/Achievements

patterns and trends in features discovered.

Bangalore (Remote)

Platforms

To train the model, **Logistic regression** and **Random Forest classifier** were

TECH STACK

Programming Languages

Python, R, SQL, PostgreSQL, MySQL.

Database, Machine Learning & Deep Learning

Scikit-Learn, SciPy, Pandas, NumPy, Matplotlib, Seaborn,

Google Colab, Jupyter Notebook, Pg Admin, Tableau, Power BI, MS Excel, Anaconda, VS Code, Spyder, GitHub, Git.

Analytical Skills


EDA, Regression analysis, ML Modelling, ML Deployment, Data Engineering, Data Visualization, Data Dashboarding, NLP, Deep Learning, Reinforcement Learning, and Storytelling.

- Leveraged technical skills in-depth such as **Python, R, SQL, Machine Learning** and improved **Story-Telling** by delivering **presentations**.

- Implemented various tools & technologies such as **Google Colab, Postgre**

- SQL, Tableau** & various **ML Libraries** effectively to **real-world ML projects**.

- Practiced Hands-On **ML model deployment** for the **engineering task** of Full Stack Data Science Program - AlmaBetter **exposing an ML model to real use**.

- And build **Tableau Dashboards** on data. (08/2022 - Present) 


Advanced Python, SQL, Excel, Tableau, Machine Learning, Deep Learning.

Worked as a **Subject Matter Expert** to solve various Data Science related queries on a **doubt resolution forum**.

RELEVANT COURSEWORK

PROJECTS

Zomato Restaurant Clustering and Sentiment Analysis AlmaBetter

Verified Project 

06/2022 - 07/2022,

Tags: Unsupervised ML, Topic Modeling, Pca, Affinity, Agglomerative, K-means, Sklearn, SciPy, Nltk,

Wordcloud, Silhouette, Elbow, Plotly.

Project focuses on Customers and Company, that can help the customers finding the best restaurant in their locality and for the company to grow upements/Tasks

EDUCATION

M. Tech in VLSI Design

Ideal Institute of Technology, Ghaziabad 

2014 - 2017,

B.E in Electronics Engineering

GHRIETW, Nagpur 

2009 - 2013,



- Performed the **EDA** which discovers the relationships between the variables and insights followed by the **data visualization** and **data interpretation** .
- Handling missing values, NLP Techniques such as **stemming**, text cleaning and **removing stop words**, **tf-idf** also developed clustering model using K
- Means clustering, **Elbow point** , DB Scan and **Dendrogram** .

and get 4 clusters.

Company Bankruptcy Prediction AlmaBetter

Verified Project

05/2022 - 06/2022,

Tags: Supervised ML, Pandas, Seaborn, Sklearn, Feature engineering, Handling outliers and Imbalanced dataset Random Forest, Logistic Regression, KNN, XGBoost, Decision Tree, Gradient Boosting, Imblearn.

Built classification model to predict bankruptcies with satisfying accuracies long before the actual event

Evaluated the optimal clusters using elbow method and K means clustering

- Performing feature engineering , EDA , Capping and Removing Outliers , model to address business problem, Handling Imbalanced data set
- Performed **OneHotEncoding** on categorical features, implemented **SMOTE** boosting, and carried out **hyperparameter tuning** with **RandomizedSCV**.
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Feature Selections by different techniques and Model Testing like XGBoost, Decision Tree etc. XG Boost gives the best accuracy around 96% f1 score .

ACHIEVEMENTS

RESEARCH & PUBLICATIONS

Internship & Assistantship

VLSI Design

2017

UPTU

FPGA Implementation Of high speed floating point multiplier using LOG based design

Blogging

Data Science Blogs on Medium

2022

Amazon's product recommendation system

Python & SQL Gold Batches - HackerRank (2022)

HackerRank Coding Challenges