**Full name** *Data Scientist*

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# Profile

Entry-level data scientist with a strong foundation in data preprocessing, feature engineering, and model evaluation. Skilled in Python, scikit-learn, and data visualization libraries, adept at utilizing machine learning algorithms to solve real-world problems and drive data-centric decision-making.

# Education

## BSc (H) Mathematics

*Dyal Singh College (6.0 CGPA), University of Delhi*

# Skills

Python SQL Tableau Microsoft Excel Azure Statistics and Probability Data Preparation Power BI Machine learning Matplotlib Pandas Seaborn Deep learning NLP AWS Git TensorFlow PyTorch Keras A/B testing Hadoop

# Projects

## Backorder Prediction

The main objective of this project is to identify products with the highest chances of shortage (backorder) before they

occurrence can present a high opportunity to improve an overall company’s performance. The project was solved using a machine learning approach.

The models used during this project were Logistic Regression, Random Forest, Decision Tree, and XgBoost. The evaluation metrics used to evaluate the models.

The Web-app was created using the Flask framework.

## Deep Authenticator

Designed API's embeddings-based remote application for a client to provide permission-based access to restricted areas.

Selected MTCNN for face detection and FaceNet for Embedding generation along with MongoDB as a feature store.

Used FastAPI as an interface for the model and checked similarly using Cosine Similarity. Tech: Python, Mongodb, DeepFace, FastApi, Docker

## Rental Bike Count Prediction

Bike sharing systems are a new generation of traditional bike rentals where the whole process from membership, rental and return back has become automatic.

Through these systems, users are able to easily rent a bike The objective of this case is to Predication of bike rental count on daily based on the environmental and seasonal setting .

Technology used - Random forest, K-means clustering,Cassandra database , flask

# Courses

## INSOFE (PGP in Big Data Analytics and Optimization) Full Stack Data Science