

# Falguni

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## SUMMARY

Results-driven professional transitioning from talent acquisition to data science. Experienced in applicant tracking, talent sourcing, and candidate screening, with proficiency in creating reports using Excel and Power BI. Currently pursuing a postgraduate degree in Data Science and Engineering, with a passion for leveraging Excel, SQL, Python, Tableau, and statistics to develop machine learning models and perform data analysis.

## KEY SKILLS

- **Programming:** Python, Structured Querying Language (SQL / MySQL)
- **BI Tools:** Excel, Tableau, Power BI
- **Machine Learning:** Supervised and Unsupervised Learning, Probability and Statistics.
- **Data Skills:** Data Wrangling, Data Cleaning, Data Analysis, Data Visualization, Feature Engineering, Statistical Analysis, ETL Processes.

## PROFESSIONAL SUMMARY

**Senior Recruiting Coordinator, TrueBlue - The People Company**

**JULY 2021–OCT 2023**

**Key Areas of Expertise:** ATS Management, High-Volume Recruitment, Client Alignment, Report Analysis.

Streamlined ATS and hiring processes. Sourced, screened, and submitted top candidates while collaborating with hiring managers to meet client needs. Managed offers, pre-employment steps, and used Excel and Power BI for data-driven decision-making.

**Consistently met hiring targets and reduced error rates by 8%. Promoted within a year for exceptional performance.**

## INTERNSHIPS

**Machine Learning Intern, Feynn Labs Services:**

**August 2024 – Present**

**Executed Market Segmentation:**

- Analyzed state-wise EV adoption trends and predicted market demand using **ARIMA** for time-series forecasting.
- Applied **K-means, DBSCAN, and hierarchical clustering** to segment business markets.
- K-means delivered superior segmentation accuracy, evaluated using **silhouette scores** and inertia. Provided precise and actionable market segmentation insights to stakeholders.

Developed an AI prototype to address small business challenges using machine learning. Focused on identifying market needs and creating a scalable product model. Evaluated model performance using **cross-validation, accuracy, confusion matrix and precision-recall metrics**.

## PROJECTS

**Key Skills:** Regression Analysis, Classification Modeling, Statistical Analysis, Feature Selection, PCA, Model Deployment.

**Libraries Used:** Pandas, NumPy, Scikit-learn, Seaborn, Matplotlib, SciPy

- **Predicting Spotify Song Popularity**

Extracted Spotify data from the API and Kaggle. Handled missing values, feature selection, and encoding. Tested models like Logistic Regression, Decision Trees, and Gradient Boosting, with **Random Forest achieving 73% accuracy. Evaluated using accuracy, F1-score, confusion matrix, hyperparameter tuning, and ROC-AUC.** Deployed via Gradio for real-time predictions.

- **Airfare Forecasting Model**

Acquired and preprocessed data including flight details and pricing. Applied models including Linear Regression, Decision Trees, and ensemble techniques like Bagging and Boosting. The Stacking Regressor, which combines multiple models, delivered the best performance (**R<sup>2</sup>: 0.88, RMSE: 1616**). Evaluated performance using **R<sup>2</sup>, RMSE, and MAPE**.

- **Hotel Booking Cancellation Prediction**

Developed a hotel booking cancellation prediction model using classifiers like Voting Classifier, and XGBoost. Random Forest, **achieving 83% accuracy, 88% precision for non-cancellations, and 77% recall for cancellations.** Deployed via **Gradio** for real-time use, optimizing resource management and minimizing cancellations.

## EDUCATION

Course	Institution	Year	Remarks
PGPDSE	Great Lakes Institute of Management	2024	80.00%
B.COM (H)	Graphic Era University, Dehradun	2021	80.75%
12 <sup>th</sup> Std	Oxford Public School, Ranchi	2018	84.80%
10 <sup>th</sup> Std	Kendriya Vidyalaya, Khagariya	2016	87.40%