

VINDEEP SINGH

Delhi, India | 9013546390 | [Gmail](#) | [LinkedIn](#) | [Project Portfolio](#)

Proficient in Data Visualization, Reporting, Dashboarding, Insight analysis, Machine Learning with a Masters in Economics background with hands on experience in SQL, Python, Power BI, Excel. Honing strong analytical skills, decision-making, problem solving abilities with learning mindset and proactive approach.

TECHNICAL SKILLS

- | | | | |
|--------------------|------------------|-----------------------|----------------------|
| • Python | • Advanced Excel | • Machine Learning | • Data Modelling |
| • Power BI Desktop | • SQL | • Feature Engineering | • Data Visualization |
| • Power BI Service | • MySQL | • Feature Scaling | • Data Cleaning |
| • DAX | • SQL Server | • MS Office Suite | • Data Storytelling |

WORK EXPERIENCE

Data Science Intern | CodSoft, Kolkata

07/2024 – 08/2024

- Built and optimized ML models for Titanic Survival Prediction, Iris Flower Classification, and Sales Prediction using data cleaning, feature engineering, and outlier handling.
- Applied feature encoding, feature transformation, feature scaling, train-test split, and hyperparameter tuning to improve model performance; Retrained models with best parameters, achieving enhanced accuracy and evaluation metrics.

Tools used: Python, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn

Data Analysis Intern | Cognifyz Technologies, Nagpur, Maharashtra

03/2024 – 04/2024

- Conducted thorough data cleaning and exploratory data analysis (EDA) on a restaurant dataset to uncover key business insights.
- Performed in-depth analyses including Top Cuisine Analysis, City-Based Trends, Price Range Segmentation, and Online Delivery Preferences; Performed analysis to identify restaurant chains out of all the restaurants

Tools used: Python, Pandas, Numpy, Matplotlib, Seaborn

PROJECTS

Steam Game Reviews Sentiment Analysis | Python | [Link](#)

- Web scraped 9,878 real reviews from Steam for a specific game, cleaned the dataset thoroughly, and performed in-depth exploratory data analysis (EDA).
- Leveraged Natural Language Processing (NLP) techniques for text preprocessing and sentiment analysis on user reviews.

Multi-National Bank Customer Churn Analysis and Prediction | Python | [Link](#)

- Collected customer churn dataset from Kaggle and performed extensive exploratory data analysis (EDA) to identify patterns and factors leading to churning of the bank's customers.
- Applied feature engineering, encoding, transformation, and scaling for machine learning model preparation.
- Trained various machine learning models and fine-tuned the top two performing models using randomized search, achieving optimized performance metrics with retrained models.

Crunchy Corner Business Optimization using Data Analysis | Power BI | [Link](#) | [PPT](#)

- Performed data cleaning and optimization in Excel by restructuring tables to reduce storage usage, creating dimension tables referenced by fact tables.
- Developed interactive Power BI dashboards including Financial Analysis, Cost Analysis, SKU Turnover, and Budgeted vs. Actual Analysis (with percentage and absolute differences).
- Executed advanced analysis techniques including Pareto, Quadrant, and Mekko Chart Analysis to identify top-performing products, categories, and cluster heads, driving insights for profit maximization and resource allocation based on Net Revenue, Gross Profit, and SKU performance.

Target E-commerce Sales Analysis | SQL and Python | [Link](#)

- Analyzed 2 Million+ e-commerce sales records using MySQL and Python, executing complex queries to uncover trends in customer behavior, sales growth, product performance, and retention, visualized in python for actionable insights.

Bank Loan Analysis | MS Excel | [Link](#)

- Designed interactive Excel dashboards and pivot table to analyze key loan metrics (applications, funded amounts, interest rates) and detailed breakdowns by state, month, employment, and purpose, driving data-driven insights for business decisions

EDUCATION

Masters in Economics

08/2023 – Present

Delhi Technological University (DTU), Delhi

ACHIEVEMENTS

- HackerRank – SQL Gold Badge.
- Google Data Analytics Professional Certificate.