VISHAL GAT

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CARRER OBJECTIVE

To grow in the data science domain by applying my analytical skills and machine learning expertise to solve real-world problems. I aim to contribute to impactful projects, drive innovation, and continue enhancing my knowledge while creating value for the organization.

SUMMARY

Specialized in leveraging Python for predictive analytics, improving decision-making efficiency by 20% in past roles.

TECHNICAL SKILLS

- **Languages**   : Python, R, SQL
- **Libraries**   : Pandas, Numpy, Scikit-Learn, Matplotlib, Seaborn, Plotly, Tensorflow, Beautiful Soup.
- **Tools**   : Power BI, Excel, PowerPoint, MySQL, Word, Streamlit.
- **Data Techniques :** Data Cleaning, Data Integration, Data Mining, Dashboarding, Data Visualization, Statistical analysis, Data Modeling, Exploratory Data Analysis (EDA), Hypothesis Testing, ETL, Model Building.
- **Statistics**   : Descriptive, Inferential, Distributions (PDF, CDF, Normal, Uniform, t-test, z-test), Central Limit Theorem, Confidence Intervals, Hypothesis Testing, Matrices.
- **Machine Learning:** Linear and Logistic regression, KNN, Decision Tree, Random forest, SVM and K Means, feature selection techniques, model deployment, deep learning frameworks

WORK EXPERIENCE

Data Analyst

Prado Media LLP | Aug 2024 – Present

- Problem: Manual processes and fragmented data systems were reducing operational efficiency and complicating decision-making.
- Action: Developed a data-driven framework, created predictive models, and built dashboards to optimize operations and automate workflows. Built interactive dashboards for real-time monitoring and automated data workflows, reducing manual effort by 40%.
- Result: Improved operational efficiency by 25% and empowered data-driven decision-making, enhancing project delivery and resource management.

PROJECTS

Customer Churn Analysis and Prediction | January 2024 – March 2024

- **Problem**: Addressed high customer churn impacting business stability and growth in the telecom sector.
- **Action**: Developed a churn prediction model using Logistic Regression; sourced and pre-processed data from Kaggle, performed feature engineering, and resolved data quality issues like duplicates and missing values.
- **Result**: Achieved 85% accuracy (R2 score), enabling telecom chains to enhance decision-making and reduce churn rates.

Credit Risk Modeling | September 2023 - October 2023

- **Problem**: Inaccurate risk classification due to data quality issues and multicollinearity in historical customer data.
- **Action**: Built a Random Forest classification model, achieving 94% accuracy. Conducted data preprocessing by imputing missing values, detecting outliers, and scaling features, enhancing model training. Performed VIF analysis to address multicollinearity in predictor variables.
- **Result:** Boosted prediction accuracy by 18% and improved model interpretability and accuracy by 20%.

EDUCATION

ISB&M College of Engineering , Pune (SPPU)	June 2020 - August 2024
Bachelor of Engineering (B.E) in Computer Science Engineering	CGPA: 8.22

CERTIFICATIONS

- Completed an intensive Data Science Mentorship program through CampusX.
- Python for Data Science, AI & Development.
- IBM Data Science Professional Certificate.
- Maths for Data Science Certification.
- Familiar Techs : HTML, CSS, JS, REACT, FLASK, GITHUB, MICROSOFT OFFICE.