Nikhil Somnath Borade

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Python Developer – AI/ML (Fresher) | Data Analyst

Detail-oriented **Python Developer – AI/ML Fresher** with hands-on experience in **Machine Learning, NLP, data analysis, and model deployment**. Strong in Python programming, data preprocessing, feature engineering, and model evaluation using Scikit-learn. Experienced in building end-to-end ML solutions and deploying predictive models using Streamlit. Seeking an entry-level role to contribute to AI-driven and data-based decision-making.

TECHNICAL SKILLS

- **Languages:** Python, SQL (MySQL)
- **AI / ML:** Supervised Learning, Classification, Model Training & Evaluation
- **ML Libraries:** NumPy, Pandas, Scikit-learn
- **NLP:** Text Preprocessing, Tokenization, TF-IDF, Text Classification, NLTK
- **Model Optimization:** Feature Engineering, Hyperparameter Tuning, Cross-Validation
- **Data Analysis:** Data Cleaning, Exploratory Data Analysis (EDA), Statistical Analysis
- **Deployment:** Streamlit, Pickle, ML Pipelines, ColumnTransformer
- **Visualization & Tools:** Matplotlib, Seaborn, Power BI, Excel
- **Version Control:** Git, GitHub

PROJECTS

KNN Classification – Telco Customer Churn Prediction | *Python, Machine Learning |*Link   ***November 2025***

- **Business Problem:** Telecom companies face revenue loss due to customer churn and require early churn prediction mechanisms.
- **Insights:** Churn behavior was influenced by usage and service patterns; distance-based models required proper scaling and optimal K selection.
- **Recommendations:** Built and tuned a KNN model with **K = 11**, achieving **77.7% accuracy and ROC-AUC 0.73**, supporting proactive customer retention strategies.

RandomForest- Travel Package Purchase Prediction | *Python, Machine Learning, Streamlit |*Link   ***December 2025***

- **Business Problem:** Travel companies struggle with low conversion rates due to ineffective customer targeting after sales pitches.
- **Insights:** Purchase likelihood was driven by customer income, follow-ups, pitch satisfaction score, and product pitched.
- **Recommendations:** Developed and deployed a Streamlit-based ML application to predict purchase probability, helping sales teams prioritize high-potential customers and improve conversions.

EDUCATION

Bachelor of Computer Science   ***July 2022 – May 2025***
Savitribai Phule Pune University