NIKHIL SOMNATH BORADE

Pune, Maharashtra, India

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PROFESSIONAL SUMMARY

AI/ML Engineer with hands-on experience in Machine Learning, Natural Language Processing, and model deployment. Strong proficiency in Python, data preprocessing, feature engineering, and model evaluation using Scikit-learn. Experienced in building end-to-end ML solutions and deploying predictive applications using Streamlit. Seeking entry-level opportunities to contribute to AI-driven and data-based decision- making.

TECHNICAL SKILLS

Languages: Python, SQL (MySQL)

AI/ML: Supervised Learning, Classification, Regression, Model Training & Evaluation, Hyperparameter Tuning

ML Libraries: NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn

NLP: Text Preprocessing, Tokenization, TF-IDF, Text Classification, NLTK

Data Analysis: Data Cleaning, Exploratory Data Analysis (EDA), Statistical Analysis, Feature Engi- neering

Deployment & Tools: Streamlit, Pickle, ML Pipelines, ColumnTransformer, Power BI, Excel

Version Control: Git, GitHub

PROJECTS

Fake News Detection using NLP — Python, NLP, Machine Learning / Link   *Nov 2025*

- Developed an NLP pipeline using Multinomial Naive Bayes to classify news articles as fake or real
- Applied TF-IDF vectorization and text preprocessing techniques to extract linguistic patterns from news content
- Achieved 93.7% accuracy in automated fake news detection, enabling scalable content moderation

Telco Customer Churn Prediction — Python, Machine Learning, KNN / Link   *Nov 2025*

- Implemented KNN classification model to predict customer churn for telecom companies
- Performed feature scaling and hyperparameter tuning with cross-validation to optimize K value
- Achieved 77.7% accuracy and ROC-AUC of 0.73, supporting proactive customer retention strategies

Travel Package Purchase Prediction — Python, Machine Learning, Streamlit / Link   *Dec 2025*

- Built a Random Forest classifier to predict customer purchase likelihood for travel packages
- Identified key factors including customer income, follow-ups, and pitch satisfaction scores
- Deployed ML web application using Streamlit to help sales teams prioritize high-potential customers

Used Bike Market Trend Analysis — Python, EDA, Data Analysis / Link   *Sep 2025*

- Conducted comprehensive exploratory data analysis on used bike market data
- Analyzed pricing patterns based on brand, age, mileage, and geographic location
- Delivered data-driven insights to enable transparent pricing and informed buying decisions

EDUCATION

Bachelor of Computer Science   *July 2022 – May 2025*

Savitribai Phule Pune University, Pune, Maharashtra