Shubham G. Tade

Pune, India | +91 7030409591 | ✉ shubhamgtade123@gmail.com | 🔗 linkedin.com/in/shubham-tade123

🔗 https://github.com/shubhu111

SUMMARY

Aspiring Data Scientist and Analyst with practical experience in **Python, SQL, Machine Learning, Deep Learning (CNN, RNN, LSTM)**, and **NLP (using NLTK)**. Strong foundation in **EDA, predictive modeling, data visualization**, and deploying real-time AI models. Proven ability to translate complex data into actionable insights through hands-on projects. Ardent about solving real-world problems with data.

SKILLS AND STRENGTHS

- **Programming:** Python, SQL
- **Data Handling & Transformation:** Pandas, NumPy, Data Cleaning, Scaling, Encoding
- **Statistical Analysis:** Central Tendency, Distributions, Correlation, Hypothesis Testing
- **Machine Learning:** Supervised & Unsupervised Learning, Feature Engineering, Model Evaluation
- **Deep Learning:** CNN, RNN, LSTM, ANN, OpenCV
- **NLP:** Text Classification, Tokenization, Named Entity Recognition (NER) using NLTK
- **Visualization & Reporting:** Power BI, Advanced Excel, Matplotlib, Seaborn
- **Tools & Libraries:** Scikit-learn, TensorFlow/Keras, Jupyter Notebook
- **Soft Skills:** Explaining ideas in a clear way, Being a good listener, Team Collaborative

PROJECTS

1. **Detecting Pneumonia in Chest X-Rays | Deep Learning Project**
   - Built a CNN model to classify chest X-rays as Normal or Pneumonia with 80% accuracy.
   - Performed data preprocessing, class imbalance handling, and data augmentation on 1,400+ training images.
   - Designed a CNN with dropout and tuned learning rate to improve generalization.
   - Exported the model as a '.joblib' file with a real-time classification speed of 2 seconds per image.

   GitHub: https://github.com/shubhu111/-Detecting-Pneumonia-in-Chest-X-Rays-Using-CNN-Ai-project.git

2. **Bank Loan Approval Classification | Machine Learning Project**
   - Developed predictive model improving bank loan approval accuracy 98% using 61,000+ financial records.
   - Analyzed 61,000+ records, removed outliers, balanced data, and standardized features to enhance model.
   - Created and optimized a Stacking Algorithm combining Decision Tree, Random Forest, AdaBoost, SVC, Logistic Regression, and GaussianNB, achieving a highest overall accuracy of 98%.
   - Saved the model as a '.pickle' file for deployment and enabled real-time predictions.

   GitHub: https://github.com/shubhu111/Bank-Loan-Approval-Classification-Machine-Learning-Project.git

3. **Hotel Booking Data Analytics and Visualization Using Microsoft Power BI**
   - Conducted interactive dashboards analyzing trends in 50,000+ hotel bookings to uncover actionable insights
   - Used Power BI to analyze cancellations, seasonality, and customer behavior across 50,000+ records.
   - Designed and delivered interactive dashboards, enabling data-driven decisions for hotel revenue optimization.

   GitHub: https://github.com/shubhu111/Hotel_Booking_Data_Analytics_Using_Power-Bi_Project.git

EDUCATION

B.Tech- Computer Science and Engineering | 2024
- Shreeyash College of Engineering & Technology, Aurangabad | 2020 – 2024 | 7.48 CGPA

CERTIFICATIONS

Mastering Data Science, 3RI Technology, Pune | Jul 2024
- Gained expertise in Python, Machine Learning, Deep Learning, and Data Visualization using Microsoft Power BI and Advanced Excel while working on capstone projects involving predictive modeling and AI solutions.

ACHIEVEMENTS

- Completed Accenture's Data Analytics Virtual program with distinction, mastering advanced visualization techniques.
- Completed PwC's Power BI Virtual Program; built interactive dashboards and optimized reporting.