Shubham G. Tade

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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.
- **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
- **Tools & Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, Jupyter Notebook
- **Data Visualization:** Microsoft Power BI, Advanced Excel
- **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 layers and a tuned learning rate to improve generalization.
   - Dump 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.
   - Designed 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**
   - Developed interactive dashboards analyzing trends in 50,000+ hotel bookings to uncover actionable insights
   - Analyzed cancellations, seasonality, and customer trends using Power BI.
   - Built data-rich dashboards to support decision-making.

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. | 7.56.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.
  - Certification : completion_certificate.pdf
- Completed PwC's Power BI Engineering Virtual Program. Driven on creating interactive dashboards and optimizing data reporting.
  - Certification : completion_certificate.pdf