Shubham G. Tade

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⚙ https://github.com/shubhu111

SUMMARY

Aspiring Data Scientist and Data Analyst with expertise in Python, SQL, Machine Learning, and Deep Learning. Skilled in data visualization, predictive modeling, and EDA, with proven success in projects like pneumonia detection and bank loan classification (achieved 98% accuracy). Proficient in Microsoft Power BI and Excel and eager to leverage analytical skills for data-driven solutions.

SKILLS AND STRENGTHS

- **Programming:** Python (NumPy, Pandas, Matplotlib, Scikit-Learn), SQL.
- **Data Visualization:** Microsoft Power BI, Advanced Excel.
- **Machine Learning:** Supervised and Unsupervised Learning, Feature Engineering, Predictive Analytics.
- **Deep Learning:** Artificial Neural Networks (ANN), Convolutional Neural Networks (CNN), OpenCV, Natural Language Processing (NLP) using NLTK, Recurrent Neural Networks (RNN) with LSTM
- **Soft Skills:** Time Management, Team Collaboration, Analytical Problem-Solving, Research.

EDUCATION

B. Tech in Computer Science: Shreeyash College of Engineering & Technology, Aurangabad | 2020 – 2024

- Relevant Coursework: Statistical Modelling, Machine Learning, Advanced Algorithms

12th (Science): Shree Bappu Saheb Deshmukh Junior College, Jalgaon Jamod | March 2019

- Passed with Distinction

10th: The New Era High School and Junior College, Jalgaon Jamod | March 2017

- Passed with Distinction

PROJECTS

1. **Detecting Pneumonia in Chest X-Rays | Deep Learning Project**

- Engineered a CNN-based predictive model for classifying chest X-ray images into Normal and Pneumonia categories.
- Performed data preprocessing, handled class imbalance, and applied data augmentation techniques on 1,400+ training images
- Designed and trained a robust CNN architecture with dropout layers and learning rate adjustments, achieving efficient performance.
- Saved the model as a '.joblib' file for deployment and created a custom prediction function for real-time image classification.

Tools Used: TensorFlow, Data Augmentation, Deep Learning, Image Classification, Jupyter Notebook.

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

2. **Bank Loan Approval Classification | Machine Learning Project**

- Built predictive models for bank loan approval using demographic and financial data.
- Performed EDA, handled outliers, balanced 61,000+ records, and standardized features.
- Designed and optimized a Stacking Algorithm combining Decision Tree, Random Forest, AdaBoost, SVC, Logistic Regression, and GaussianNB, achieving a highest overall accuracy of 98%.
- Dump the model as a '.pickle' file. file for deployment and created a custom prediction function for real-time classification.

Tools Used: Python, Scikit-Learn, Pandas, NumPy, Jupyter Notebook, Matplotlib, Seaborn.

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

3. **Hotel Booking Data Analytics and Visualization Using Microsoft Power BI**
   - Designed interactive dashboards analyzing trends in 50,000+ hotel bookings to uncover actionable insights
   - Identified key patterns in cancellations, seasonality, and customer demographics using Power BI
   - Enhanced decision-making processes with visually compelling and data-rich dashboards

Tools Used: Microsoft Power BI, Data Analysis, Visualization.
GitHub: https://github.com/shubhu111/Hotel_Booking_Data_Analytics_Using_Power-Bi_Project.git

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. Focused on creating interactive dashboards and optimizing data reporting.
     - Certification : completion_certificate.pdf