Shubham G. Tade

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🔗https://github.com/shubhu111

SUMMARY

Data Scientist and Data Analyst skilled in Python, SQL, Machine Learning, and Deep Learning. Experienced in predictive modeling, data visualization, and EDA. Successfully developed AI models like pneumonia detection (80% accuracy) and bank loan classification (98% accuracy). Proficient in Microsoft Power BI and Excel for data-driven insights

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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:** Explaining ideas in a clear way, Working well in a team, Being a good listener.

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.

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

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