**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
  + **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**

## **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>

## **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**[:](file://localhost/C:/Users/Shubham%20Tade/Downloads/%20https/github.com/shubhu111/Medical_Insurance_Cost_Prediction_ML_Project.git) <https://github.com/shubhu111/Bank-Loan-Approval-Classification-Machine-Learning-Project.git>

## **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.