**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

**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, Understanding problems before solving them

**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 with an accuracy of 80%.
* Performed data preprocessing, handled class imbalance, and applied data augmentation techniques on 1,400+ training images
* Designed and trained a CNN with dropout layers and a tuned learning rate, reducing overfitting and improving generalization.
* Dump the model as a .joblib file with a real-time classification speed of 2 seconds per image.

**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

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

* Developed predictive models for bank loan approval, analyzing demographic and financial data from 61,000+ records, improving accuracy by 98%
* 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.

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

**GitHub**[:](file:///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>

1. **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.

**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](https://forage-uploads-prod.s3.amazonaws.com/completion-certificates/Accenture%20North%20America/hzmoNKtzvAzXsEqx8_Accenture%20North%20America_hf9yWZw3AHffi8Eyt_1677307862290_completion_certificate.pdf)
* Completed PwC’s Power BI Engineering Virtual Program. Focused on creating interactive dashboards and optimizing data reporting.
* Certification : [completion\_certificate.pdf](https://forage-uploads-prod.s3.amazonaws.com/completion-certificates/PwC%20Switzerland/a87GpgE6tiku7q3gu_PwC%20Switzerland_hf9yWZw3AHffi8Eyt_1676958312348_completion_certificate.pdf)