PRIYADUTT BHATT (Machine Learning Engineer)

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Technical Skills

**Python | Statistics & Probability | SQL | Machine Learning Algorithms | Time-Series Forecasting |
Recommender Systems | Apache Spark | PySpark | Kubernetes | Docker | Flask |**

Experience

Whiz.ai   **April 2022 – Present**
Machine Learning Engineer   *Pune, India*

- Built **Apache Spark with Kubernetes** architecture as an **Orchestration** tool in the product to bring distributed and efficient processing of training machine learning algorithms parallelly.
- Parsed complex **JSON** data to create features that can be used as input to train deep learning models to predict what question will be asked next by the user based on past user activity.
- Implemented **Lag** functionality in the product that determines the feature's optimal lag value for the target variable based on the **Correlation** scores using **Cross-Correlation** function.
- Experience integrating machine learning features into the product using **Docker** container managed by **Kubernetes Clusters**.

Whiz.ai   **January 2022 – March 2022**
Machine Learning Intern   *Pune, India*

- Conducted and evaluated various POCs for **Forecasting Hierarchical or Grouped Time Series**, utilizing aggregation and disaggregation methodologies to help implement prediction functionality into the product.
- Applied and Evaluated various **Error Metrics** for calculating forecast error and handled **Missing Values** for time-series data.

Zummit Infolabs   **September 2021 – December 2021**
Junior Data Science Intern   *Work From Home*

- Designed and Developed **Content Based Recommendation System** for recommending food items based on cosine similarity between sentiments of food items description using **Term Frequency Inverse Document Frequency**.
- Implemented **Fear-nervousness Detection System** for a use case to detect racism while greeting the visitor by the airline staff with nervousness or not.

Projects

Audio Emotion Recognition System

- Implemented Emotion Recognition system that predicts 7 emotions from human voice audio by extracting features using MFCC (Mel-frequency Cepstral Coefficient) and trained an Artificial Neural Network model to identify several human emotions.
- *Secured 30th rank in Intelligence Augmentation for AI Hackathon by Hacker Earth.*

Cluster Analysis for Ad Campaigns

- Performed campaign analysis using different company's Ad campaigns running on the Facebook platform, in which I found the best campaigns among them using the **click-through rate** with the help of the Kmeans clustering technique.
- *Bronze Medal on Kaggle for this notebook.*

Customer Value Estimation on Gaming Platform

- Based on users' activities on online gaming platforms, estimated customer value, and temporal extrapolation.
- *Secured 52nd rank in the hackathon organized by Techniche, IIT Guwahati.*

Education

G H Patel College of Engineering and Technology, Anand, India   **July 2019 – April 2022**
Bachelor of Engineering in Information Technology   *CGPA: 8.90/10*

Certifications

Foundations of Data Science - OneFourthLabs
Introduction to Tensorflow for AI, ML and DL - Coursera
Convolutional Neural Networks in Tensorflow - Coursera
Natural Language Processing in Tensorflow - Coursera