

Pritha Choudhury

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EDUCATIONAL QUALIFICATION

- **Master of Science (Data Science)** **2023-2025**
Christ (Deemed to be University), Bangalore
Grade : 76.35% (3 trimesters)
- **Bachelor of Science (Mathematics)** **2019-2022**
Gurucharan College, Silchar
(Affiliated to Assam University, Silchar)
Grade : 88.72%

INTERNSHIPS

Feynn Labs Services (May 2024 – July 2024) :

- Enhanced market segmentation by implementing PCA and K-means clustering, accurately identifying 4 distinct customer segments with a 20% improvement in segmentation accuracy.
- Achieved an adjusted Rand index of 0.85 for segmentation stability and visualized segment metrics, improving market entry strategy precision.

PROJECTS UNDERTAKEN

Diabetes Prediction Website

- Developed a Flask web application to predict diabetes risk using a trained KNN model, achieving real-time predictions with a 80% accuracy rate.
- Implemented model performance monitoring and user-friendly form submission, enhancing predictive insights and user interaction efficiency.

Recommendation Systems

- Achieved a Root Mean Square Error (RMSE) of 0.9991 and a Mean Absolute Error (MAE) of 0.7907 in evaluating a user-based recommender system using Apache Mahout, demonstrating effective model performance.
- Developed and implemented a recommendation system with precision metrics, providing actionable insights through personalized item recommendations, improving user engagement by leveraging collaborative filtering techniques.

BizBot web app

- Leveraging NLP and LLM for a chatbot interface to automate data visualization and predictive analysis, enhancing decision-making and operational efficiency for businesses.
- Dashboards can be created for better visualisations.

CERTIFICATIONS

- **Programming with Python** – Internshala – 2023
- **Data Structures and Algorithm** - Infosys Springboard – 2023
- **PL-900, PL-300** - Microsoft Power Fundamentals – 2024

SKILLS

- **Programming Languages** : Python, R Programming, HTML, SQL
- **Other Software/Tools** : Power BI, Tableau
- **General Skills** : Data Visualization, Statistical Analysis, Machine Learning, Deep Learning

ACHIEVEMENTS

Trained Kathak dancer with 12 years of experience.

PERSONAL DETAILS

Languages Known: English, Hindi, Bengali

Contact No.: +916003512285

Present Address: Nagasandra, Bengaluru, Karnataka – 560073

Permanent Address: Tarapur, Silchar, Assam - 788003