

ANUSHIYA K

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PROFILE SUMMARY

Aspiring Data Science and Analytics Professional with hands-on experience in machine learning, deep learning, NLP, EDA, and data visualization. Completed projects and internship in predictive modeling, NLP, and dashboards. Proficient in Python, SQL, and Power BI with strong analytical and problem-solving skills.

INTERNSHIP

Data Science Intern | NULLCLASS

May 2025 – August 2025

- Implemented extractive summarization to generate concise document summaries (73% accuracy).
- Developed a multi-modal chatbot handling text and image content (75% effectiveness).
- Extended chatbot to support 3+ languages with automatic detection and culturally appropriate responses (100% accuracy).
- Skills Applied: Python, NLP, API Integration and Model Evaluation

TECHNICAL SKILLS

Programming & Data Analysis: Python (Pandas, NumPy), SQL

Data Visualization : Excel, Power BI, Tableau, Matplotlib, Seaborn

Machine Learning & Advanced ML Algorithms: Regression, Classification, Clustering, Dimensionality Reduction, Ensemble Learning (Bagging, Boosting, Stacking)

Deep Learning & NLP : ANN, CNN, RNN, LSTM, Transformers, NLTK, spaCy, HuggingFace Transformers

Libraries & Frameworks: Scikit-learn, TensorFlow, Keras, PyTorch

Other Skills : EDA, Data Cleaning & Preprocessing, Feature Engineering, Model Evaluation, Report Writing, Problem-Solving

PROJECTS

1. Crime Against Women Dashboard (Power BI)

- Designed an interactive dashboard to analyze crime trends across India.
- Integrated dynamic visual elements and enabled real-time filtering for state-wise insights.
- Cleaned and preprocessed data for accuracy.
- **Tools:** Power BI, Excel

2. SBA Loan Prediction (Machine Learning)

- Built a predictive model to assess small business loan default probability.
- Performed feature engineering and hyperparameter tuning to optimize performance.
- Tested algorithms: Logistic Regression, Random Forest, Gradient Boosting.
- **Tools:** Python, Pandas, NumPy, Scikit-Learn

3. PDF AI Chatbot

- Developed a chatbot to answer questions from uploaded PDFs.
- Used Retrieval-Augmented Generation (RAG) with vector embeddings for accurate responses.
- Preprocessed PDF text for improved answer relevance.
- **Tools:** Python, NLP, HuggingFace Transformers, RAG

EDUCATION

Postgraduate Program in Data Science & Analytics with Advanced ML
Imarticus Learning

Aug 2024 – Mar 2025

MBA (Finance & HR)

Tagore Institute of Engineering & Technology

Jul 2023 – May 2025

B.Sc. Mathematics

Karpagam Academy of Higher Education

Jul 2020 – Mar 2023

CERTIFICATIONS

- Data Analytics – Udemy
- Data Science and Analytics with Advanced Machine Learning – Imarticus Learning
- Data Science Internship – NULLCLASS