Antariksha Hanmant Dhanure

+1 (716)2928088 | adhanure@buffalo.edu| www.linkedin.com/in/antariksha-dhanuree
github.com/potatant | https://antariksha-dhanure.vercel.app/

EDUCATION

State University of New York at Buffalo, USA   **Dec 2026**
Master's in computer science and engineering
Rajiv Gandhi Institute of Technology, University of Mumbai, India   **May 2025**
Bachelor of Engineering in Artificial Intelligence and Data Science

COMPUTING PROFICIENCY

Languages: Python (NumPy, Scikit-learn, TensorFlow, Keras, PyTorch and more), SQL, R, HTML, CSS.
Tools & Platforms: Jupyter Notebook, Google Collab, GitHub, Streamlit, Flask, AWS , Tableau, Power BI, VS Code, Spyder, Docker, Linux/Unix environment. CNNs, Transformers, Generative AI concepts, Feature Extraction, Model Optimization, Fourier Transforms, Feature Engineering, Complex-valued data handling.

WORK EXPERIENCE

Data Analyst Intern at AB Infinity Soft Solutions, Hyderabad, India   **May 2023– July 2023**
- Analyzed web traffic, SEO performance, and social media engagement data to support data-driven marketing strategies.
- Conducted keyword research to evaluate market demand and competition, aiding in content planning and targeted SEO efforts.
- Performed social media sentiment analysis to gauge public perception and inform brand messaging and outreach strategies.
- Gained hands-on experience with different tools to manage and interpret large volumes of structured data.

Key Tools: Google Analytics, Power BI, SQL

PROJECTS

AI-Based Deskstop Assistant (github.com/potatant/AI-deskstop-Assistant)
- Designed and trained CNN-based deep learning models for robust signal classification in noisy environments.
- Applied signal preprocessing techniques including MFCC feature extraction, demonstrating strong foundation in frequency-domain representations relevant to k-space concepts.
- Optimized model performance under real-world constraints, improving robustness and generalization.
- Experience working with high-dimensional numerical data pipelines and deep learning workflows in Python.

Personalized AI Desktop Assistant (github.com/potatant/AI-deskstop-Assistant)
- Created a clever desktop assistant that truly improves how users interact with it by cutting out any background noise.
- Implemented Mel-Frequency Cepstral Coefficients (MFCC) for feature extraction, ensuring reliable audio processing in diverse environments.
- Utilized Convolutional Neural Network (CNN)for classification, enabling the assistant to adapt dynamically to various acoustic settings and user preferences.
- Engineered a solution to improve user experience by delivering clear voice command recognition, even in noisy surroundings.

Fashion Recommendation System (github.com/potatant/Fashion-Rec)
- Employed CNNs to analyze and interpret the intricate visual characteristics within fashion imagery.
- Combined CNN insights with K-Nearest Neighbors (KNN) to analyze user interactions, delivering highly relevant and personalized clothing suggestions.
- Crafted a personalized fashion recommendation system that genuinely enhances the online shopping experience for users.

PUBLICATIONS

- Study on Predictive Modeling for Loan Approval. International Research Journal on Advanced Engineering and Management (IRJAEM). DOI: 10.47392/IRJAEM.202
- TRUSTNOVA: A Predictive Machine Learning Model for Loan Approval. International Journal for Research in Applied Science and Engineering Technology (IJRASET). DOI: 10.22214/ijraset.2025.68388

EXTRACURRICULAR ACTIVITIES

- **Vice President**, Language Enhancement and Development **(LEAD) Club, RGIT.**
- **Publicity Secretary**, Center for Reforming Intelligence through Data **(CRID), RGIT.**