

Antariksha Hanmant Dhanure

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“AI doesn’t replace humans; it enhances what we’re capable of imagining and creating.”

SUMMARY

Aspiring student currently pursuing a master's degree in computer science with a specialization in AI/ML at SUNY Buffalo. Passionate about building intelligent systems and solving real-world problems through data-driven solutions. Skilled with a strong foundation in data analysis, model development, and deployment.. Demonstrates creativity and initiative in approaching technical challenges, while excelling in teamwork to deliver impactful solutions. Actively seeking an internship opportunity to apply academic expertise, gain hands-on industry experience, and contribute to innovative projects in AI, machine learning, and data science.

EDUCATION

State University of New York at Buffalo, USA

August 2025- Present

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, Google Colab, GitHub, Streamlit, Flask, AWS, Tableau, Power BI, VS code, Spyder.

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

Loan Approval Prediction System (github.com/potatant/TrustNova)

- Engineered ML-based Approval System to assess creditworthiness for small-scale businesses (e.g., local vendors, small shops).
- Developed and optimized classification models of various Machine Learning algorithms, achieving a high F1-score.
- Leveraged data-driven insights to facilitate informed and equitable lending practices. Focused on enabling fair and data-driven loan approvals for underserved business sectors.

Personalized AI Desktop Assistant (github.com/potatant/AI-desktop-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.