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. 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. Actively seeking an internship to gain hands-on industry experience, contribute to impactful projects, and deepen practical knowledge 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), SQL, R, HTML, CSS.
Tools & Platforms: Jupyter, Google Colab, GitHub, Streamlit, Flask, AWS, Tableau, Power BI.

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-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-Recc)
- 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.**