ADITYA HOLLA

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EDUCATION

University of Texas - Austin **May 2027**
Bachelor's, Statistics and Data Science *GPA: 3.91*

- Relevant Courses: Statistics, Data Structures and Algorithms, Calculus 1, 2, 3, Linear Algebra
- Organizations: American Statistical Association, Machine Learning Data Science Club, USIT

SKILLS

Core Programming Languages: Python, R, SQL, Java
Libraries/Tools: Pytorch, Pandas, NumPy, Matplotlib, Scikit-learn, Lubridate, OpenAI API
Machine Learning & AI Concepts: Supervised and Unsupervised Learning, Deep Learning, Model Deployment, Model Evaluation
Domains: NLP, Computer Vision, Data Visualization, Feature Engineering, Statistical Analysis

PROFESSIONAL EXPERIENCE

Foodify **Dallas, TX, USA**
Data Scientist *May 2025 - August 2025*

- Engineered a tag-driven influencer-restaurant matching system using Python, NumPy, Pandas, and Scikit-learn, automating content-based partner selection.
- Preprocessed and one-hot encoded tag data from both influencers and restaurants; computed Jaccard similarity to quantify content overlap.
- Integrated performance-based weighting (followers × engagement) to rank influencer relevance, increasing targeting precision and efficiency.

MyStockDNA **Frisco, TX, USA**
Data Science Intern *May 2024 - August 2024*

- Queried internal databases using SQL and Python to extract client-level data on investment preferences and behavior
- Analyzed model selection patterns in the MyStockDNA platform to identify trends in client risk profiles and allocation choices
- Built scripts to automate data collection and aggregation for reporting on user engagement and portfolio model adoption, boosting speed by 13% and accuracy by 20%.

MyTimeEquity **Dallas, TX, USA**
Data Science Intern *May 2023 - August 2023*

- Built custom ML models with Scikit-learn and PyTorch to forecast asset performance and guide portfolio allocation
- Developed full pipelines for data cleaning, feature engineering, and evaluation using real-world financial data
- Boosted portfolio Sharpe ratio by 15% and aligned model outputs with firm-specific risk/return goals through quant collaboration

PROJECTS

TorchFlix - Binary Classification Model - *Link to project* **Austin, TX, USA**
Developer *July 2025 - August 2025*

- Built a deep learning PyTorch-based binary classifier to predict whether a user would like a movie based on genres, actors, and plot keywords.
- Engineered multi-hot encoded features from TMDB and MovieLens datasets to represent movie metadata and user preferences.
- Achieved 85%+ test accuracy and deployed a Streamlit web app enabling real-time user input and prediction results.

Foodify Influencer Matching Algorithm - *Link to project* **Dallas, TX, USA**
Developer *May 2025 - June 2025*

- Developed a tag-based influencer-restaurant matching algorithm using Python, NumPy, Pandas, and Scikit-learn, enabling automated campaign targeting.
- Engineered one-hot encoded vectors from clean and normalized tag data across datasets and computed pairwise Jaccard similarity scores for matchmaking.
- Incorporated influencer performance metrics (followers × engagement rate) to weight similarity scores and produce high-conversion influencer matches.

Code Companion - *Link to project* **Austin, TX, USA**
Developer *July 2025 - July 2025*

- Built an AI-powered tool that parses .py files using Python's ast module and GPT-4 to generate clear, beginner-friendly code explanations.
- Added a static analysis dashboard using radon to calculate cyclomatic complexity, flag high-complexity functions, and check for missing docstrings.
- Designed a Streamlit UI to display function-level summaries, enabling users to evaluate readability, structure, and maintainability at a glance.

BlindChimp **Austin, TX, USA**
Lead Developer *October 2024 - October 2024*

- Developed Blind Chimp, a Python-based AI tool using ML to forecast stock performance and optimize portfolio allocations
- Visualized returns, risk metrics, and benchmarks with Matplotlib and Seaborn for performance analysis
- Designed the project to explore whether a simple, randomized strategy could consistently outperform traditional benchmarks