Vedantsinh Mahida

New Jersey | LinkedIn | vedantsinh13@gmail.com | GitHub

EDUCATION

New York Institute Of Technology, New York City Campus **Manhattan, NY**
MS in Data Science (Current GPA: 4.0)

Temple University, Philadelphia **Philadelphia, PA**
BS in Biology

PERSONAL PROJECTS

DCGANs Fashion Generation: This project trains and visualizes the outputs of a simple Deep Convolutional GAN (DCGAN) to generate realistic-looking (but fake) images of clothing.

Dog Vision: Built and trained a multi-class classifier of over 120 dog breeds using TensorFlow and TensorFlow Hub as part of the Kaggle Dog breed identification competition. Leveraged transfer learning with MobileNet V2 pre-trained model to achieve high accuracy and efficiency.

Blue Book for Bulldozers: Created a regression model that predicts the auction sale price for a piece of heavy equipment based on its features and usage history as part of the Kaggle blue book for bulldozers competition. Applied data cleaning, feature engineering, and random forest algorithm to optimize the model performance.

Bank Turnover Analysis: Developed an Artificial Neural Network that analyzes bank customers turnover and identifies the factors that influence customer retention. Used data preprocessing techniques like feature scaling and encoding to increase efficiency for neural networks. Performed data visualization techniques to get better insights about bank customers data and presented the findings in a dashboard.

SKILLS & INTERESTS

Skills

Programming Languages: Proficient in Python, SQL. Experienced in using libraries and frameworks such as NumPy, Pandas, Scikit-learn, TensorFlow, Keras, PyTorch, and OpenCV for data manipulation, analysis, and machine learning.

Data Analysis and Visualization: Skilled in applying statistical methods, machine learning algorithms, and data mining techniques to extract insights and knowledge from structured and unstructured data. Adept at using tools such as Matplotlib, Seaborn, and Plotly for data visualization and storytelling.

Machine Learning and Deep Learning: Knowledgeable in various machine learning and deep learning concepts, such as supervised and unsupervised learning, classification and regression, neural networks and convolutional neural networks, natural language processing and computer vision.

Communication and Collaboration: Excellent verbal and written communication skills. Able to explain complex data science concepts and results to technical and non-technical audiences. Effective team player who can work well with others across different disciplines and domains.

Problem-Solving and Critical Thinking: Strong problem-solving and critical thinking skills. Able to identify, analyze, and solve real-world problems using data science techniques. Creative and innovative thinker who can generate novel ideas and solutions.

Interests: Generative AI, Convolution Neural Networks, Analytics, Photography, Personal Research, Working Out