Anshul Kaushal

AI ENTHUSIAST

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Education

Panjab University	**2022 and ongoing**
Bachelors of Computer Science and Engineering	CGPA (till 2st Semester): 8.51

Projects

Covid-19 Lung Infection Segmentation

- Implemented U-Net, Trans U-Net, LSTM-CNN U-Net, U-Net Squared models
- Successfully achieved 87%+ accuracy

Transfer Learning (PyTorch)

- Learnt about T-SNE plot and Grad-Cam Visualization
- Used resnet-18 (pre-trained) along with data augmentation

Hand-written Digit Classification

- Classified MNIST dataset with over 95%+ accuracy
- Used hyper parameterization to increase accuracy

Spam/ Ham Detection

- Learnt and implemented LSTM model
- Learnt various text data cleaning techniques

Stock Market Predictor

- Learnt and implemented LSTM model
- Predicted market with 95%+ accuracy

Collaborative filtering recommendation System

- Learnt about vectorizing dataset
- Learnt various text data cleaning techniques

ML Models

- Build the most important ML models from scratch

Skills & abilities

Technical Skills

- **Frameworks:** PyTorch, TensorFlow, Keras, OpenCV, Manim (Basics), Hugging Face
- **Libraries:** NumPy, Pandas, Seaborn, Matplotlib, scikit-learn, Pygame, Tkinter
- **Programming Languages:** Python, C Language, C++ Language, HTML, CSS
- **Tools:** MySQL (Database management), YOLOv8