Yash Arora

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Education

2021-2025 **Bachelors in Electronics and Computer Engineering**, *Amrita Vishwa Vidyapeetham*, Kollam, Kerala, India,
CGPA-**8.94/10**

Projects

Image Colorization API
○ The Image Colorization API is a RESTful API that allows users to colourize black and white images using a pre-trained machine-learning model. With this API, you can easily integrate image colourization capabilities into your own applications, websites, or services.

SBIR-Baseline
○ The project involves developing a baseline model using Triplet Loss for Fine-Grained Sketch-Based Image Retrieval. This model is trained on the Sketchy-COCO dataset, aiming to improve the retrieval accuracy for sketch-based image searches.

Fashion MNIST Classifier
○ This project focuses on creating a deep learning Convolutional Neural Network (CNN) using PyTorch for the purpose of FashionMNIST image classification. The project's main goal is to train the CNN to accurately categorize different clothing items within the dataset, showcasing the effectiveness of PyTorch in developing a robust model for fashion image recognition.

Inventory Management System
○ Developed an advanced Inventory Management System (IMS) with real-time tracking and efficient ticket generation and resolution. Effectively managed inventory across diverse infrastructures, buildings, and rooms, showcasing strong software development and problem-solving skills.

CineBot
○ Cinebot is a Python-based Telegram bot that allows users to create and manage their movie watchlist. The bot allows users to add movie titles, release years, and IMDb ratings to their watchlist by making API calls to the Open Movie Database (OMDb).

MNIST Digit Classifier
○ This project aims to build a convolutional neural network using Python and TensorFlow to classify handwritten digits from the MNIST dataset.

CMS
○ Developed a Club Management System (CMS) using Django, serving as the foundation for the amFOSS website, web app, and mobile app. The CMS facilitates efficient management of club-related activities and resources, showcasing expertise in Django-based web development and contributing to the amFOSS ecosystem.

CMS-Mobile
○ Developed a cross-platform CMS application for Android and iOS using Flutter. The application enables seamless access to and management of amFOSS CMS, demonstrating proficiency in cross-platform development and leveraging Flutter's capabilities.

Technical Skills

Frameworks PyTorch, TensorFlow, Django, Flask, Flutter, FastAPI

Relevant Coursework

Courses, *Linear algebra (Gilbert Strang's 18.06) , Machine Learning (Coursera Certificate)*, Deep Learning (Coursera Certificate), Deep Learning in PyTorch