

YUVAL MEHTA

Mumbai, India

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Education

SVKM's Narsee Monjee Institute of Management Studies

2019 - Present

Bachelor of Technology in Computer Science

Mumbai, India

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Artificial Intelligence
- Computer Architecture
- Data Mining
- Machine Learning
- Data Science
- Deep Learning
- NLP
- Computer Vision

Experience

Kenmark ITAN Solutions

December 2022 – May 2023

Backend Developer Intern

Mumbai, Maharashtra

- Developed APIs for MELO (music distribution), MSC Job portal, and Medical Mandi (medical equipment e-commerce) projects, ensuring seamless integration and functionality.
- Led quality assurance initiatives across these systems, ensuring high performance and reliability standards.
- Specialized in Node.js development for efficient and scalable backend solutions.
- Proficiently managed SQL and MySQL databases to handle data storage and retrieval effectively.
- Utilized GitLab for version control to track code changes and collaborate with team members.
- Demonstrated expertise in Linux server management and hosting, ensuring smooth deployment and operation of web applications.

Projects

Fashion images generation | Python, Tensorflow, Numpy, Kaggle, Streamlit

May 2024

- * Developed a Generative Adversarial Network (GAN) to generate images similar to Fashion MNIST data from noise and classify them into their respective categories.
- * Utilized different optimizers to demonstrate the impact of various algorithms on image generation quality.
- * Created a webpage using Streamlit for demonstration purposes.
- * Showcased proficiency in machine learning, image generation, and classification techniques.
- * Enhanced understanding of generative models by analyzing the effects of different optimizers on the GAN's performance.

News translate, summarize and sentiment | Python, Tensorflow, Streamlit, NLTK, Transformers

April 2024

- * Developed a News Translate, Summarize, and Sentiment Analysis system capable of processing news articles in multiple languages.
- * Utilized natural language processing (NLP) techniques and machine learning algorithms to translate articles into different languages accurately.
- * Implemented text summarization algorithms for generating concise and informative summaries, facilitating quick understanding of key points in news articles.
- * Incorporated sentiment analysis tools to analyze and track public opinion trends expressed in the articles.

Sign Language Recognition | Python, Tensorflow, Numpy, Pandas, Open-CV

March 2024

- * Developed a model using transfer learning on a hand signs image dataset for accurate classification.
- * Created a user-friendly application to predict hand signs from video data in real time.
- * Utilized deep learning frameworks like TensorFlow for model training.
- * Implemented image processing and computer vision algorithms for feature extraction.

Early Diabetes Prediction | Python, Scikit-learn, Pandas, Numpy, Streamlit

November 2023

- * Developed a Streamlit-based web app to predict diabetes probability from symptoms like polyuria, polydipsia, etc., using various machine learning models including base and ensemble models.
- * Authored a research paper on the project, currently pending publication.

Technical Skills

Languages: Python, JavaScript, SQL, C, C++, Java

Technologies/Frameworks: Pytorch, Tensorflow, Scikit-learn, Django, Git, Flask, Node.js, Express.js,

Developer Tools: VS Code, Jupyter, Kaggle, MySQL, MongoDB

Publications

IEEE Apcit 2024

Title: Examining different machine learning approaches for predicting diabetes in the early stages

- * Researched and analyzed diverse machine learning algorithms for early-stage diabetes prediction. Collected and processed relevant medical data, identified key features, trained models, evaluated performance, and determined optimal approach through result analysis.