

VISHWAL MEHTA

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PROFILE

To build a dynamic career with my knowledge and efforts in an organization that strives for excellence. I wish to make a positive contribution to the firm and evolve professionally. Highly-motivated employee with desire to take on new challenges. Strong worth ethic, adaptability and exceptional interpersonal skills. Adept at working effectively unsupervised and quickly mastering new skills.

EDUCATION

BSC (IT), K. S. School Of Business Management 4.15 GP out of 5	2021
MSC (IT), K. S. School Of Business Management 3.58 OUT OF 5	2023
MSC (AI), ST XAVIER'S COLLEGE	Jul 2024 – present

INTRENSHIP

TOPS TECHNOLOGIES, PYTHON DEVLOPER INTRENSHIP PYTHON , DJANGO,REST FRAMEWORK	Jun 2020 – May 2021
ARKIDZOO, MACHINE LEARING ENGINEER INTRENSHIP WORK AT AWS(LAMBDA,SAGEMAER ,POSTMAN API	May 2022 – Jul 2022
Alluvium IOT Solutions, COMPUTER VISION INTRENSHIP WORK AT YOLOV5,YOLOV6,LABEL SUTDIO,DARKLABEL,OIDV6,DEEPSPORT	Jul 2022 – Aug 2022
SPARKS TO IDEAS, PYTHON INTRENSHIP	Jan 2023 – May 2023
Vertical Global Tech, FULL STACK MACHINE LEARNING ENGINEER TRAINEE NLP,BERT ,CNN ,MEDIAPIE ,CV ,FLASK,FASTAPI	Dec 2023 – Mar 2024

ACADEMY PROJECTS

ONLINE SCRAP AND RECYCLED PRODUCT MANAGEMENT SYSTEM, DJANGO Our Django-based Online Scrap and Recycled Product Management System enables seamless listing, selling, and managing of eco-friendly products. This robust platform supports a green e-commerce initiative, efficiently connecting sellers and buyers to promote sustainability. Experience easy navigation, secure transactions, and a commitment to environmental conservation on our cutting-edge site.
BLOG, PHP This PHP blog project is a dynamic, user-friendly web application for creating, managing, and sharing articles. It features a robust admin panel for post management, user authentication, and commenting capabilities. Built with PHP and MySQL, it ensures seamless data handling and a responsive design for all devices.
CHECKER GAME, Python (Alpha-Beta pruning Ai Algorithm) The Alpha-Beta pruning algorithm in Python optimizes the minimax strategy in games like checkers by eliminating branches in the decision tree that don't influence the final decision. This reduces computation time significantly, allowing for deeper searches and more strategic gameplay without exploring redundant or less promising moves.
HAND WRITTEN MATHEMATICAL EXPRESSION EVOLUTION(DIGIT RECOGNITION), Python(deep learning & computer vision) "Handwritten mathematical expression evolution through digit recognition in CNN Python involves training convolutional neural networks to accurately interpret and classify handwritten digits. Using Python libraries like TensorFlow , the model learns to identify and understand the nuances of handwritten characters, enabling applications in digitized math problem solving and education."
HEALTH CARE PREDICTION APP USING ML, Java,Python (ML,Flask),Heroku api Introducing an innovative health care prediction app harnessing the power of machine learning (ML) through Java and Python. This app predicts heart disease, diabetes, and brain tumors with precision, offering proactive health management. Built on ML algorithms and Flask framework, it seamlessly integrates with Heroku API for smooth deployment. Users receive personalized insights, empowering them to make informed decisions about their health. Experience the future of healthcare with this intuitive and reliable prediction app.
ECOMMERCE, Django Django Ecommerce is a robust web development framework tailored for building dynamic online stores with Python. Leveraging Django's powerful features like ORM, authentication, and templating, it streamlines the creation of scalable, secure, and customizable e-commerce platforms. From inventory management to payment integration, Django Ecommerce ensures efficient and tailored online shopping experiences.

PERSONAL PROJECT

BREAST CANCER PREDICTION, *PYTHON,CNN,OPENCV*

TITANIC, *PYTHON ML*

"Titanic: Predictive Machine Learning" is an innovative project employing advanced algorithms to forecast the likelihood of various events surrounding the Titanic's voyage. By analyzing historical data and passenger profiles, this ML model aims to anticipate outcomes such as survival rates, impact scenarios, and even alternative navigational decisions.

DIGIT PREDICTION, *CNN,OPENCV*

Digit prediction using Convolutional Neural Networks (CNN) in OpenCV involves training a model to recognize handwritten digits. Leveraging CNN's ability to extract features from images, this process employs image preprocessing and deep learning techniques to accurately predict digits from input images, making it a powerful tool for tasks like optical character recognition.

HOUSE PRICE PREDICTION, *PYTHON ML*

House prediction using linear regression involves analyzing various features of a property, such as square footage, number of bedrooms, location, and amenities, to predict its price. Through mathematical modeling, linear regression estimates the relationship between these factors to forecast the value of a house accurately.

PLANET PREDICTION IMAGE PREPROCESSING, *OPENCV , CNN, PYTHON*

Planet prediction image preprocessing involves using OpenCV to enhance and prepare satellite images for Convolutional Neural Network (CNN) analysis. This includes tasks like noise reduction, contrast adjustment, and image normalization. Through these preprocessing steps, raw satellite data is refined, enhancing the accuracy and efficiency of CNN-based planet prediction models.

STOCK-MARKET-ANALYSIS, *PYTHON, ANN*

Stock Market Analysis using Artificial Neural Networks (ANN) employs advanced algorithms to analyze historical stock data, identify patterns, and forecast future market trends. Utilizing ANN's ability to learn from data, it facilitates predictive modeling, risk assessment, and decision-making, enhancing precision in investment strategies and financial decision-making processes.

TRAFFIC-SIGN DETECTION AND RECOGNITION, *PYTHON, OPENCV , CNN*

Traffic-Sign Detection and Recognition leverages OpenCV and Convolutional Neural Networks (CNNs) to identify and interpret traffic signs in images or video streams. OpenCV provides robust computer vision tools for image processing and feature extraction, while CNNs offer advanced pattern recognition capabilities. This combination enables efficient detection and accurate classification of various traffic signs, contributing to safer and more efficient transportation systems.

LICENSE PLATE DETECTION, *PYTHON, ML , COMPUTER VISION ,YOLOV5 & YOLOV6*

License plate detection using YOLOv5 and YOLOv6 employs cutting-edge deep learning techniques to accurately identify license plates in images or video streams. These models leverage advanced object detection algorithms to swiftly locate and extract license plate information, facilitating various applications such as vehicle tracking, surveillance, and automated toll collection.

ADMISSION MANAGEMENT SYSTEM, *PYTHON, DJANGO*

The Admission Management System built with Django is a robust solution for efficiently handling enrollment processes. Leveraging Django's powerful framework, it seamlessly manages admissions from application submission to decision-making. With customizable features, user-friendly interfaces, and secure data handling, it optimizes the entire admission lifecycle for educational institutions, ensuring streamlined operations.

BLOG(DJANGO REST API), *PYTHON , DJANGO, DJANGO_REST_FRAMEWORK*












"Exploring the Power of Django Rest Framework: Building Robust APIs for Your Projects"

In this project-based blog, we delve into Django Rest Framework's capabilities for developing RESTful APIs. From setting up Django to crafting endpoints, authentication, and serialization, this guide offers a hands-on approach to harnessing Django's power for seamless communication between your applications.

SKILLS

Programming of (PYTHON,R,JAVA,SQL), Data Science, Machine Learning, AWS(LAMBDA,SAGEMAER ,POSTMAN API), Data Analyst, POWER BI,TABLEAU, COMPUTER VISION, HACKING

CERTIFICATES

Information Security and Ethical Hacker  , COVID-19: Operational Planning Guidelines and COVID-19 Partners Platform to support country preparedness and response - WHO  , Data Science  , AWS Sagemaker  , R For Data Science  , Python For Data Science  , Data Visualization with R  , Data Visualization with Python  , Data Analysis with Python  , JAVA  , PHP 

DECLARATION

I hereby declare that above information is correct to the best of my knowledge and belief.



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