



KARRI DRUVA TARAK

Data Science, Data Analytics, Machine Learning, Python

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OBJECTIVE

As a dedicated AI and Data Science enthusiast, I aim to drive impactful solutions by leveraging my expertise in machine learning, data analysis, and Python backend development. With a focus on innovation, I strive to create scalable and efficient software solutions that meet client and user needs, while continuously growing in the dynamic field of technology.

EDUCATION

B-Tech

Vignan's Institute of Information Technology

11/2021 to Present

Course

- Artificial Intelligence and Data Science

SKILLS

Programming

C Python Java HTML CSS

Designing

Figma Canvas

Databases

MySQL AWS Firebase Mongo DB

Environments

Visual Studio Code Google Collaborator Jupyter
Github Kaggle Tableau WEKA

AI Tools

Char GPT Gemini Black-Box Locofy AI
Merlin AI Runway Hugging Face

Python Modules

Flask Open CV Numpy SciPy Pandas
Matplotlib Tensor Flow Keras Selenium

PERSONAL PROJECTS

Picture Perfect

Developed an Image Classification model using Structural Similarity Index Measure (SSIM) to differentiate between good and bad images based on their quality. Additionally, created a user-friendly web application using Flask.

Bin-Tech

Developed a Basic Convolutional Neural Network (CNN) model to detect plastic trash, complemented by a user-friendly web application built with Flask.

OPEN-SOURCE PROJECTS

Leveraging LLMs to Understand Global Mental Health Well-Being & Fomo in Social Media

For this project, I actively contributed to data collection and preprocessing.

WORK EXPERIENCES

Machine Learning Intern

IGIAT

05/2023 - 06/2023

Worked for a Electric bike mileage prediction and breakdown detection

CERTIFICATIONS

Data Science

Learned Python for Data Science, EDA, Machine Learning, Tableau completing Projects and Assessments.

QUALITIES & HOBBIES

- Leadership
- Creativity
- Problem Solving
- Playing Cricket
- Listening to music

PARTICIPATION

- Blockchain & Web 3.0 Workshop by IBC Media at Gayatri Vidya Parishad College of Engineering
- AI/ML Workshop by wissenaire'23, at IIT Bhuvaneshwar
- AI/ML Hackathon by Brainovision at Vignan's Institute of Information Technology
- Attended Google DevFest 2024
- National level Hackathon by MLH at Institute of Aeronautical Engineering, Hyderabad

INITIATIVES

- Organized and led "Xplore AI," a two-day event at my college featuring workshops on computational idea building and UI/UX designing, along with seminars on the importance of idea building.

ACHIEVEMENTS

- At the age of 15, achieved an invitation from NASA to present a space settlement design and report at a conference in Los Angeles, California.

ORGANIZATIONS

Owasp Student Chapter
Technical Head