



# 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 9.06 CGPA

Course

- Artificial Intelligence and Data Science

## 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
- listining to music

## SKILS

### 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 Kerals Selenium

## 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.
- Organized and led "SYNAPSE," an ML hackathon at my college focusing on machine learning skills and using Kaggle for competition.

## ACHIEVEMENTS

- At Age of 13 Won 10,000/- Rs from Inspire Namak Awards for developing Mobile Controlled Robot by Goverment of India

## ORGANIZATIONS

### Owasp Student Chapter

Technical Head