

SUYASH DOMBE

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EXPERIENCE

Data Research and Scraping Intern

Octapace Engineering Solutions — Remote

October 2024 - January 2025

- Collected, cleaned, and organized large-scale global datasets across ethanol, biofuel, chemical, and pharmaceutical industries spanning five continents.
- Utilized Python libraries such as requests, BeautifulSoup, and pandas to automate data scraping and transformation workflows.
- Extracted and verified over 45,000 contact records from public sources, significantly improving data accuracy and accessibility.
- Designed efficient scraping pipelines to handle dynamic websites and varied data formats.

Data Science Intern

Rhetorica Politik — Remote

August 2024 - September 2024

- Analyzed and managed data for 1500+ election candidates using Python libraries such as Pandas, NumPy, Matplotlib, and Seaborn. Created insightful graphs and charts, and conducted exploratory data analysis to uncover patterns and relationships.

Machine Learning Intern

NullClass — Remote

May 2024 - August 2024

- Developed AI-powered applications focused on real-time emotion detection and sign language recognition.
- Built and trained convolutional neural networks (CNNs) using Python, OpenCV, and TensorFlow for processing video-based inputs.
- Designed and implemented a custom GUI using Tkinter for user interaction and model testing.
- Built facial expression recognition models that maintained high accuracy across varying lighting conditions.
- Visualized model performance using Matplotlib and Seaborn to interpret predictions and identify improvement areas.

PROJECTS

Mileage Prediction using Regression

- Built a linear regression model to predict a vehicle's mileage (MPG) based on features like horsepower, weight, and engine displacement.
- Cleaned and preprocessed real-world automotive data (MPG dataset) by handling missing values and outliers.
- Conducted exploratory data analysis (EDA) using Pandas, Seaborn, and Matplotlib to uncover trends and correlations.
- Evaluated model performance using metrics such as R^2 score and Mean Squared Error (MSE).
- Delivered insights through visualizations showing variable impact on mileage, improving interpretability.

Vidsnap AI — Campaign Video Generator Web App

- Developed a Flask-based web application to generate AI-powered campaign videos using user-uploaded content.
- Designed multiple front-end pages (index.html, create.html, gallery.html) with dynamic routing using Flask templates.
- Integrated multimedia components to allow users to upload, preview, and store campaign assets.
- Implemented a clean UI for content creation and video management using HTML, CSS, and JavaScript within Jinja2 templates.
- Deployed the app locally with debugging enabled for iterative development and testing.

EDUCATION

Master of Science in Statistics

Tuljaram Chaturchand College • Baramati • 2025 • 6.96

Bachelor of Science in Statistics

Tuljaram Chaturchand College • Baramati • 2023 • 7.93

CERTIFICATIONS

Python Programming

GUVI IITM Research Park • 2023

AI & ML Learner

YBI Foundation • 2023

SKILLS

Languages: Python, SQL, R, C

Libraries & Frameworks: Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, OpenCV, Flask

Tools: Power BI, Jupyter Notebook, MS Office, GitHub

Concepts: Data Analysis, Machine Learning, Statistics, Data Visualization

Extras: Web Scraping, Prompt Engineering

RECOGNITIONS & AWARDS

Honored with "Hotkarun ani Gunwant Vidhyarthi" award for academic excellence in B.Sc. (Final Year)