Reetika Chavan

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Education

Ramrao Adik Institute of Technology, D. Y. Patil Deemed to be University **July 2021 – Present**
B.Tech in Computer Engineering (Major: Artificial Intelligence), CGPA: 7.94/10 *Navi Mumbai, India*

Utkarsha Madhyamik Vidyalaya & JR. College **Feb 2020**
12th Grade, Percentage: 49.08% *Mumbai, India*

St. Xaviers's High School **March 2018**
10th Grade, Percentage: 70.60% *Mumbai, India*

Experience

Acmegrade Internship **Feb 2024 – April 2024**
Data Science Intern *Mumbai, India*

- Gained hands-on experience in implementing data science algorithms using Python for various problem-solving scenarios.
- Conducted exploratory data analysis (EDA) using pandas, numpy, and matplotlib to identify trends, patterns, and insights.
- Developed a project, applying data analysis and machine learning techniques to solve real-world problems.

Projects

Disease prediction in plants | *Python, CNN, YOLO, Flutter, FastApi* **April 2024**

* Built **hybrid AI model** using CNN & YOLO for precise plant disease detection & localization.
* Developed a deep learning plant disease classifier **Python, TensorFlow** using data augmentation for enhanced accuracy, and implemented YOLO for **real-time disease detection** & localization, optimizing speed and precision.
* Built cross-platform mobile app **Flutter** for visualizing plant disease detection results & offering disease info & prevention tips.

* View project on GitHub

Car Price Prediction | P*ython, Scikit-learn, Streamlit* **January 2024**

* Developed a **machine learning model** to predict car selling prices based on features such as brand, manufacturing year, and kilometers driven.
* Built a linear regression model using **scikit-learn** to accurately estimate car prices from various attributes.
* Integrate the model into a web application using **Streamlit**, allowing users to input car details and receive instant price predictions.
* View project on GitHub

Sign Language Recognition | P*ython, CNN, Tenserflow, Machine Learning* **October 2023**

* Created a **real-time sign language recognition** application to facilitate communication between hearing individuals and those with hearing impairments by translating signs into text in real-time.
* Developed the model using Python, Convolutional Neural Networks (CNN), TensorFlow, and OpenCV to detect and interpret sign language gestures.
* Implemented the real-time recognition system using **OpenCV** for capturing live video feed and **TensorFlow** for running the trained model.
* View project on GitHub

Technical Skills & Certifications

Languages: Python, Java, C, HTML/CSS, JavaScript, SQL
Frameworks: TensorFlow, Flask, Flutter
Tools: Git, Power BI
Technologies: AI, Machine Learning

LinkedIn: Python for Data Engineering
Acemagrade/Mood Indigo IIT Bombay: Training done in Data Science
Analytics Vidhya: Python Programming
Infosys Springboard: Java Programming Fundamentals

ACADEMIC ACHIEVEMENTS

* Secured 10 grade points in **Engineering Mathematics-I** in 1st semester.
* Secured 10 grade points in **Engineering Mechanics** in 2Nd semester.
* Secured 10 grade points in **Data Structures, Database Management, OOPM (Java)** Lab in 3rd semester.
* Secured 10 grade points in **Foundation of Data Science** in 5Th semester.

Hobbies

Reading, Music, Playing Volleyball