

ARPIT SENGAR

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Skills

- Python | HTML | CSS | C++ | Git | Pandas | Object Detection | Web Automation | GUI Automation | Selenium | Web Scraping | OOPS
- Adobe Illustrator | Canva | Graphic Design | Design Thinking | Presentation Skills | English, Hindi

Experience

Junior ML Engineer

Omdena

04/2023 - Current

- **Developing an Interactive Chatbot for the Omdena Website - Nigeria Chapter**, (July 2023 – Sept 2023)

Developed an interactive chatbot to address the challenge of managing and disseminating information on Omdena's website. The chatbot serves as a virtual assistant, providing instant and personalized responses to user queries, improving the user experience, and fostering an informed and engaged community. This innovative solution enhances information access, encourages collaboration, and strengthens Omdena's impact on the local community.

- **Water Quality Prediction System - Rwanda Chapter**, (May 2023 - Jul 2023)

In this project, the primary goal was to develop an accurate and efficient machine learning model that can predict water quality based on a range of parameters such as Electrical conductivity of water, Amount of organic carbon in ppm, Amount of Trihalomethanes in $\mu\text{g/L}$, and turbidity. The model will be trained on a large dataset of historical water quality data and will be designed to provide predictions for water quality.

- **AI Based Road Inspection System - Mexico Chapter**, (Apr 2023 - Jun 2023)

This project aims to revolutionize road inspections by employing machine learning techniques to automatically detect road defects. The system utilizes HD cameras to collect real-time video streams from various roads, supplemented by images from standard datasets. Transfer learning is applied to address data scarcity and labeling challenges.

- **AI Based Road Inspection System - Mexico Chapter**, (Apr 2023 - Jun 2023)

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Education

B. Tech CSE (spec. in AIML)

VIT BHOPAL University

8.26/10

09/2022 - 06/2026

High School Diploma

Nehru World School

86%

02/2020 - 05/2022

Projects

- **Alzheimer's Prediction System**: Developed a machine learning model for the early prediction of Alzheimer's disease (08/2023)
- **AI Voice Assistant**: Designed and developed an AI based voice assistant using Google's Speech Recognition API (06/2023)
- **insAlghts**: A powerful tool that allows you to extract detailed notes from YouTube videos effortlessly (09/2023)

Certifications

- **TCS iON Career Edge - Young Professional, TCS iON** (07/2023)
- **Deep Dive in C++, Udemy** (07/2023)
- **100 Days of Code: Python Pro Bootcamp, Udemy** (06/2023)
- **Python for Machine Learning, Great Learning** (06/2023)
- **Data Visualization, Kaggle** (04/2023)
- **Pandas, Kaggle** (04/2023)
- **Python (Basic) Certificate, HackerRank** (03/2023)
- **SQL (Basic) Certificate, HackerRank** (03/2023)

Others

- Passionate about sketching and photography, capturing moments with artistic precision.
- Dedicated to continuous skill acquisition, fostering adaptability and expertise.