

Asma Shaikh

7045266062 / asma.shaikh10092004@gmail.com / [linkedin.com/in/asmashaikh](https://www.linkedin.com/in/asmashaikh) / github.com/ASMASHAIKH04

Educational Qualification

Dwarkadas J. Sanghvi College of Engineering

Currently pursuing a bachelors in CSE (DS) with a CGPA of 8.395.

Vile Parle, Mumbai

2023-2026

Thakur Polytechnic

Scored 91% in Computer Engineering Diploma.

Kandivali, Mumbai

2020 - 2023

Internships

AIML Intern

June, 2024 - August, 2024

OnMyOwnTechnology

- Developed multiple machine learning projects leveraging advanced algorithms, enhancing predictive accuracy and real-time data analysis capabilities.
- Engineered and deployed Raspberry Pi-based solutions for real-world applications.
- Designed and built dynamic frontend websites, enhancing user experience and interface responsiveness to align with modern web standards.

Web Developer Intern

July, 2022 - August, 2022

Nibodh Educare

- Developed and launched a responsive frontend website, enhancing user engagement.

Projects

Predictive Diabetic Retinopathy Diagnosis / Python, TensorFlow, Keras

- Developed a convolutional neural network (CNN) using TensorFlow and Keras to classify diabetic retinopathy images, involving image loading, preprocessing, and dataset creation.
- Designed and implemented a model architecture with convolutional, pooling, and dense layers, utilizing data augmentation techniques to enhance generalization and accuracy.

Bharatnatyam Posture Classification / Python, TensorFlow, Keras, NumPy, Matplotlib, PIL.

- Developed a deep learning model for Bharatanatyam pose classification using TensorFlow and Keras, incorporating data augmentation and performance visualization techniques.
- Implemented image preprocessing and prediction accuracy analysis to enhance model reliability.

Credit Card Fraud Detection / Python, Pandas, NumPy, Matplotlib, Seaborn, and Scikit-learn

- Developed a fraud detection system using a Random Forest Classifier on imbalanced credit card transaction data, achieving robust model evaluation through metrics such as accuracy, precision, and recall.
- Implemented data preprocessing and visualization techniques to enhance model performance and interpretability.

Students Food Preference / Data Visualisation / NumPy, Matplotlib, Seaborn and Tableau

- Utilized advanced data analysis and visualization techniques with Python to explore and preprocess a dataset on food choices, identifying patterns and trends through the application of libraries such as Pandas, NumPy, Matplotlib, and Seaborn.
- Implemented comprehensive data cleaning and imputation strategies, alongside insightful visualizations to facilitate understanding of key dietary behaviors and preferences.

Agromeet / Android Application

- Agromeet is a cutting-edge farm assistant application that streamlines agricultural management with real-time data and AI-driven insights.
- Empowering farmers to maximize productivity and sustainability, Agromeet revolutionizes the way farming is done.

Certifications

- Google Digital Unlock
- J.P. Morgan Software Engineering Virtual Experience on Forage

Extra-Curricular

➤ Chairperson -ISTE June 2022-May 2023

Served as the distinguished Chairperson of the ISTE Committee, leading with innovation and excellence

➤ Member-ISTE June 2021-May 2022

Contributed as a dedicated member of the ISTE committee, fostering innovation and excellence in technology and education.