

Halima Mansuri

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Objective

My short term goal is to join a good company as a developer to set my skills more perfectly and to contribute my skills and expertise to enhance team productivity and achieve company objectives.

Education

- Gls University** 2023 - 2025
Masters of Computer Application
Semester 1 : 80.57% , Semester 2 : 75% , Semester 3 : pursuing
- Gujarat University** Jul 2021 - Mar 2023
Bachelors of Computer Application
CGPA : 8.3
- Gujarat Board** Mar 2020
Higher Secondary Education
Pr rank : 82.51%
- Gujarat Board** Mar 2018
Secondary School Certificate
Pr rank : 60.21%

Skills

- Python
- Mysql
- Oops
- Pandas
- Numpy
- Matplotlib
- Seaborn
- Data analysis
- Data visualization
- Scikit-learn
- Django
- Flask

Projects

- Project Name: Groundwater Level Prediction Using Sentinel-1 SAR Data and Machine Learning**
Description:
Developed a **machine learning model** to predict **groundwater surface elevation (GSE)** using **Sentinel-1** Synthetic Aperture Radar (**SAR**) data and ground truth measurements from California. Leveraged **ASF (Alaska Satellite Facility)** for **remote sensing data** acquisition and **SNAP** software for SAR data preprocessing. Engineered features from Sentinel-1 data, including backscatter intensities (Gamma0_VH, Gamma0_VV, VV/VH ratio), and combined them with well attributes like depth and use from **ground truth datasets**. Implemented advanced regression models like **Random Forest** and **Gradient Boosting** for **prediction**. Enhanced model performance through cross-validation, feature

scaling, and data cleaning, achieving actionable insights for sustainable water resource management.

- **Project Name : Face Recognition using python**

Description:

Developed Facial recognition can identify human faces in images or videos, determine if the face in two images belongs to the same person, or search for a face among a large collection of existing images using **Python** with the **face-recognition** library and **OpenCV** Implemented efficient image processing techniques for face **detection**, **matching**, and **verification** without using ML Models

- **Project Name : Life Events**

Description:

Life Events is a web application based on event management system. Here, customer can book an event based on his/ her specification by selecting various packages this software is implemented with the motive to save the time and effort of customer and gaining the trust issues of customer.

Technology Used : Php , Mysql , Html5 , Css3 , javascript , Bootstrap.

- **Project Name : PDF Merger using python**

Description:

The **PdfMerger** object from **PyPDF2** library is used to merge multiple PDF files. It iterates through the files in the current directory and appends all files with a.pdf extension to the merger.

- **Project Name : Translator Chatbot using python and NLP**

Description:

A **translator chatbot** is a chatbot that can translate messages sent to and from it, allowing users to communicate in **multiple languages** by using **NLP | Socket | TextBlob**.

- **Project Name : Movie Recommendation System using Machine Learning**

Description:

Developed a **content-based** Movie Recommendation System using the **TMDB dataset** from **Kaggle**. Preprocessed and analyzed movie metadata using **Python libraries** such as **NumPy** and **Pandas**. Engineered features like genres, keywords, and cast to compute similarity using **cosine similarity** with **Scikit-learn**. Built and optimized the recommendation model to suggest personalized movie options based on user preferences.

- **Project Name: Daily To-Do List Web Application using python & flask**

Description:

Developed a task management web application using Python (Flask) for the backend and Bootstrap, HTML, and CSS for the frontend. Enabled users to create, update, delete, and manage daily tasks with a responsive and user-friendly interface.

- **Project Name : Dragon Real Estates - Price Predictor using Machine Learning**

Description:

Built a machine learning **model** to **predict** real estate **prices** using **Scikit-Learn**. Implemented **data preprocessing** (**handling missing values**, **feature scaling**, and attribute engineering), created pipelines, and evaluated models with cross-validation. Selected the **optimal** regression **model**, tested on real-world data, and deployed it for **future predictions**. Demonstrated expertise in data analysis, model development, and end-to-end machine learning workflows

Certificates

- **Certificate Name: Certified project of website development**

Achieved Certificate from Issuing Organization: **Infolabz IT Services** From 1 June 2022 to 15 April 2023 for accomplishing Certified project from design to Implementation of website with a 5 people team.

- **Certificate Name: Learn How To Design Seamless Notifications Services - Scaler MasterClass**

Issuing Organization: Scaler

Achieved **certificate** by participating in the Scaler Masterclass titled "**Learn How to Design Seamless Notification Services**." Held on 11th January 2025, the session focused on high-level design principles for building scalable and efficient notification systems. Key topics included system architecture, managing high-traffic scenarios, ensuring reliability, and integrating modern

notification mechanisms. Participants gained valuable insights and practical knowledge to design robust notification services for real-world applications

- **Certificate Name : SQL Fundamentals Certificate - Wscube Tech**

Issuing Organization: Wscube Tech

Demonstrated proficiency in SQL concepts and applications, including writing queries, managing databases, performing data analysis, and optimizing database performance. Acquired hands-on experience with SQL commands such as SELECT, JOIN, GROUP BY, and aggregate functions such as COUNT,SUM etc.

Personal Details

- Github : <https://github.com/Halima-mansuri>

Languages

- English
- Hindi
- Gujarati

Hobbies

- Exploring and building machine learning models for real-world problem-solving.
- Analyzing and visualizing datasets to uncover insights and trends
- Building and exploring innovative projects to apply new concepts, solve real-world problems, and continuously expand knowledge in technology and design.