

# MUSHTAK RANGREJ

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## SUMMARY

Eager to apply my academic knowledge in statistics, machine learning, and data analysis to solve real-world problems.: Proficient in Python, ML, SQL, and data visualization tools, aiming to leverage these skills to derive insights from large datasets.

## EDUCATION

Bachelor Degree in Computer Science Engineering

May 2019 - July 2023

Arya Institute of Engineering and Technology CGPA 7.00/10.00

## SKILLS

Technical-Skills: Machine-Learning, Python, SQL, Flask, Feature engineering, Data Visualization, Expoloratory Data Analysis

Libraries: Numpy, Matplotlib, Scikit-Learn, Pandas

## TRAINING

Completed 2 month of Training in AU Small Finance Bank in Artificial Intelligence Project - Online Feb 2023 - April 2023

“Retail Customer Segmentation” identify major customer segments on a transactional data set which Jaipur, Raj

contains all the transactions occurring between 01/12/2010 and 09/12/2011

## PROJECTS

### Food Delivery Chatbot with Dialogflow:

- develop comprehensive food delivery system and integrating a conversational chatbot interface.
- Implemented Dialogflow for natural language understanding and conversation management, enhancing user interaction and experience.
- Engineered a robust backend using Python and FastAPI to handle HTTP requests and responses, facilitating seamless communication between the frontend and database.
- Designed and implemented RESTful APIs for user authentication, order management, and menu retrieval, ensuring efficient data exchange and processing.
- Orchestrated interactions with a MySQL database for storing and managing user profiles, orders, and menu-items

**Technologies Used:**Python, DialogFlow, Mysql, FastAPI

### Wine Quality Checking Web App:

- Developed a web application to assess wine quality through machine learning.
- Implemented data preprocessing, model training, and evaluation functionalities.
- Utilized MLflow for experiment tracking and management, ensuring reproducibility.
- Visualized data insights and model performance metrics using matplotlib.
- Managed configuration settings efficiently with python-box and pyYAML.
- Monitored training progress with tqdm progress bars.
- Ensured data integrity with the ensure library.
- Leveraged joblib for model serialization and deserialization.
- Integrated Flask for building the web application backend.
- Enabled cross-origin resource sharing (CORS) using Flask-Cors for seamless frontend-backend communication.

**Technologies Used:**Python, pandas, mlflow, numpy, scikit-Learn, Flask-Cors, matplotlib, pyYAML, tqdm, joblib

## RESEARCH EXPERIENCE

Certificate of Participation in ICRTET-2023 : Awarded by (International Conference on Recent Trends in Engineering And Technology ) Successfully Completed a Comprehensive Research Project Title “Impact of AI to Reducing Poverty and Hunger in India “ that investigated brief overview of the research topic. The study involved the methodology about impact of AI to reduce poverty and hunger.

## VOLUNTEER EXPERIENCE COLLEGE

Event Organizer: Coordinated logistics, managed participants, facilitated vendor communication