

# Shankar Lal

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## SUMMARY

Highly passionate and skilled AI enthusiast with a proven expertise in utilizing a wide range of tools and technologies, including Python, JavaScript, SQL, Excel, and Cloud platforms. Experienced in machine learning, data science and website development.

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## PROJECTS

### In-Vehicle Coupon Recommendation System

November 2022 - January 2023

- Build the In-Vehicle Coupon Recommendation System using Kaggle dataset.
- Apply feature scaling, feature extraction, removing outliers and applied multiple model such as Random Forest, KNN, SVM and Cat-Boost.
- Select a model(SVM) with highest AUCROC score(0.78).
- Deploy model using Flask.
- Github repository : <https://github.com/shankar-01/In-Vehicle-Coupon-Recommendation-System> .

### Internet Firewall Action Prediction

May 2022 - June 2022

- Analyze, Preprocess and Trained the machine learning model using UCI dataset.
- Achieve 0.9 AUCROC score using KNN before preprocessing.
- Achieve 0.91 AUCROC score after preprocessing.
- Find the best value of K using Grid Search CV.

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## EDUCATION

### Bachelor of Science in Computer Science

Sukkur IBA University • Sukkur • 2023 • 3.41

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## CERTIFICATIONS

### Data Visualization on Kaggle

Kaggle • 2023

### Machine Learning Specialization on Coursera by DeepLearning.AI

Coursera • 2023

### AWS Machine Learning Foundation on Udacity

Udacity • 2022

### Intermediate SQL Queries on Datacamp

Datacamp • 2021

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## COURSEWORK

### Artificial Intelligence

Sukkur IBA University • 2022 • Machine Learning, Python, Decision Systems, Reinforcement Learning  
Created Internet Firewall Predication Model

### Machine Learning

Sukkur IBA University • 2022 • Data Modeling, Model Optimization, Python  
Created In Vehicle Coupon Recommendation System

### Data Science

Sukkur IBA University • 2022 • Data Preprocessing, Python  
Created Internet Firewall Predication Model

### Database Management System

Sukkur IBA University • 2021 • SQL, RDBMS  
Created Food Management System using MySQL Database and Java Programming

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## SKILLS

**Expert:** Python, JavaScript, Java, CPP, React, SQL, MongoDB, NodeJS, Express, SKLearn, Numpy, Pandas, GitHub, Excel

**Beginner:** Flask, Azure, Keras, Docker