

Uday Pratap Singh

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EDUCATION

IMARTICUS LEARNING

PG Diploma in Data Analytics and Machine Learning

NEW DELHI, INDIA

PGA | Feb, 2023

ABES ENGINEERING COLLEGE

Mechanical Engineering & 7.0 CGPA

GHAZIABAD, UTTAR PRADESH, INDIA

Graduation | Aug, 2020

PROJECT EXPERIENCE

Database Schema and Table Relationships for a Logistic Company

SQL

- Designed and implemented a relational database schema for a logistics company using SQL.
- Created tables to store information on customers, orders, inventory, and shipping details.
- Established table relationships such as one-to-one, one-to-many, and many-to-many using foreign keys.
- Utilized SQL for basic data manipulation tasks such as inserting, updating, and retrieving data from a database.
- Wrote simple SQL queries for data extraction and used them for creating tables, views, and indexes.
- Worked with SQL to filter, sort and group data to extract meaningful insights.
- Utilized SQL to join multiple tables and perform complex queries.
- Gained experience in designing and maintaining database structure and relationships.

Property Price Prediction

Linear Regression Model

- Implemented linear regression model in Python to predict the price of houses using various features such as square footage, number of bedrooms, and location.
- Cleaned and preprocessed the dataset, performed feature selection and engineering.
- Used libraries such as NumPy, pandas, and scikit-learn to implement the model.
- Evaluated the model using metrics such as R-squared and root mean squared error.
- Optimized the model using techniques such as regularization and cross-validation.

Vaccine Usage Predication

Logistic Regression Model

- Developed a logistic regression model in Python to predict the likelihood of an individual receiving a vaccine.
- Cleaned and preprocessed a large dataset, performed feature selection and engineering.
- Utilized libraries such as pandas, NumPy and scikit-learn to implement the model.
- Evaluated the model using metrics such as accuracy, precision and recall.
- Optimized the model using techniques such as regularization and cross-validation.
- Compared the model performance with other machine learning algorithms like Decision Tree and Random Forest.
- Analyzed the model results and provided insights that can help to health department for further policy making.

PROFESSIONAL EXPERIENCE

Congruex Asia Pacific LLP

OSP Engineer

Mohali, Punjab / India

APR 2021 – Present

As the OSP and Traffic design engineering in a Congruex Asia Pacific LLP, I was responsible for designing and implementing an efficient and reliable traffic management system for the telecom client like AT&T, Frontier.

Role & Responsibilities

- Scoped OSP network layouts for clients' installations
- Utilized GIS to input data for clients' installations
- Daily interaction with US domestic quality engineer team to understand and deliver quality projects.
- Preparing the design TCP as per MUTCD standards to meet the requirement of the City and State.
- Worked on multiple MDU and FTTH projects for different clients such as A&T, Ziply fiber, and Frontier communications.

FOCUS ENERGY LIMITED

Intern Project Coordinator

Gurugram, Haryana / India

Aug 2020 – March 2021

As a project coordinator intern in the oil and gas industry, I gained extensive experience in coordinating and managing various aspects of projects, including procurement, logistics, and budget management. I have also developed skills in coordination and communication with cross-functional teams, negotiation with vendors and suppliers, and project budget management. This experience has provided me with a broad understanding and the skills required to successfully manage projects.

Role & Responsibilities

- Coordinated with project teams and vendors to ensure timely delivery of materials and equipment for various projects at plants in Jaisalmer, Rajasthan, India.
- Collaborated with procurement and supply chain teams to negotiate pricing and terms with vendors, and to ensure compliance with company policies.
- Monitored and tracked project budgets, and worked with project teams to ensure that costs are kept within the project budget.
- Maintained accurate records and documentation related to purchases, contracts, and deliveries.

SKILLS

- SQL
- PYTHON
- MS EXCEL
- TABLEAU
- GOOGLE COLAB

INTERPERSONAL SKILLS

- Team-Management
- Active listening
- Adaptive
- Quick Learner
- Problem-solving

CERTIFICATES

- MS Excel skills for Business - Coursera
- Data Analytics for Business - Coursera
- Visualizing Citibike trips with Tableau
- SAE INDIA