Uday Pratap Singh

New Delhi, India |+91 7503003489 | Singh.pratap.uday96@gmail.com| www.linkedin.com/in/uday-pratap-singh-27b078153/

EDUCATION

IMARTICUS LEARING   New Delhi, India
PG Diploma in Data Analytics and Machine Learning   *PGD|Feb,2023*

ABES ENGINEERING COLLEGE   Ghaziabad, Uttar Pradesh, India
Mechanical Engineering, 7.0 CGPA   *B.Tech|Aug,2020*

PROFESSIONAL EXPERIENCE

Congruex Asia Pacific LLP   Mohali, Punjab / India
OSP Engineer 1   APR *2021 – Present*

As the OSP Engineer 1 in a Congruex Asia Pacific LLP, I was capturing data from various vendor sites through web scrapping and maintaining the database for operations team to take data driven decision.

Role & Responsibilities
- Extensive experience in checking for new or changed requirements from city, state, and local governments and updating those changes in the database.
- Data collection from competitor websites through web scraping.
- Data manipulation and cleaning using Python.
- Data ingestion into the database to enable the design team to design according to the latest requirements.
- Frequent communication with domestic stakeholders to convey new updates from cities and counties/states.

FOCUS ENERGY LIMITED   Gurugram, Haryana / India
Intern Project Coordinator   *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.

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.
- Developed, monitored, and reported on project budget and expenses to ensure cost-effectiveness and to avoid budget overruns.
- Maintained accurate data in Ms excel and Google sheets related to purchases, contracts, and deliveries.
- Drafted reports and presented findings to upper management on a weekly basis.

PROJECT EXPERIENCE

Database Schema and Table Relationships for an E-commerce Company   **SQL**

- Designed and implemented a relational database schema for E-commerce company using SQL.
- Created tables to store information on customers, orders, inventory, and shipping details etc.
- 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.
- 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 technique such as OLS.

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 technique such as Stochastic Gradient Descent (SGD).
- Compared the model performance with other machine learning algorithms like Decision Tree and Random Forest.

Heart Disease Prediction   **Decision Tree Algorithm**

- Developed a decision tree algorithm in Python to predict the presence of heart disease in patients.
- 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 pruning and searchgridCV.
- Visualized the decision tree using libraries such as matplotlib and graphviz.

Skills & Interests

Technology: Knowledge of SQL, HTML and programming in Python.
Experience in visualization tools like Power BI and Tableau.
Experience in Microsoft Office Suite like Ms excel and Power point.

Interpersonal: Team-management, active listening and problem-solving are my strong points. I have worked in teams for a long time and I have been able to adapt to any situation. I am quick learner which helps me solve problems quickly.

Interests: Listing to podcast/audio books.

CERTIFICATES

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