

Kotha Surya Varshith

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SKILLS

- **Languages** : Python, Java
- **Frameworks** : HTML and CSS
- **Data Modelling** : PowerBI , Tableau, Excel
- **Database** : MySQL
- **Soft Skills** : Problem Solving, Team collaboration, Adaptability.

PROJECTS

Maternal Health Education Chatbot

April 2025

- Domain: Deep Learning, Natural Language Processing (NLP)
Programming Language: Python | Tools: TensorFlow, Keras, Jupiter Notebook
- Developed a chatbot leveraging deep learning techniques to deliver maternal health education.
- Trained a model on a dataset of maternal health-related queries to generate accurate and informative responses.
- Implemented NLP techniques to refine chatbot interactions and enhance user engagement.

Enhanced accessibility to maternal health resources, supporting expectant mothers in making informed healthcare decisions.

Big Mart Sales Analysis

June 2024

Domain: Exploratory Data Analysis (EDA), Data Analytics | Programming Language: Python | Libraries: Pandas, Matplotlib, Seaborn

- Established an indepth exploratory data analysis on a supermarket sales dataset to uncover key sales trends across branches.
- Evaluated variables such as branch location, payment method, customer rating, and total revenue to determine peak sales periods.
- Developed interactive visualizations using Seaborn and Matplotlib to illustrate revenue trends and customer purchasing behaviors.
- Generated actionable business insights, enabling stakeholders to optimize inventory and customer experience.

Customer Churn Prediction

April 2023

Domain: Machine Learning, Data Analysis | Programming Language: Python | Libraries: Scikit-learn, Pandas, Matplotlib, Seaborn

- Constructed a predictive model to analyze customer churn in a telecom company, pinpointing factors influencing customer retention.
- Processed and cleaned large datasets, addressing missing values and executing feature engineering to boost model accuracy.
- Applied supervised learning algorithms, including Logistic Regression, Random Forest, and XGBoost, to classify customers as likely to churn or retain.
- Optimized model performance using a confusion matrix, precision-recall, and achieving a 94% accuracy rate.

TRAINING

Python – Django - Cipher Schools

July 2023

Online Polling System

Domain: Web Development | Programming Language: Python | Framework: Django | Tools: Pandas, Jupiter Notebook

- Had learnt the Basics of Python-Django & work with common data types as well as pandas Data Frames. It is easing the creation of complex database-driven websites.
- Had learnt and understand the use of variables. Major concepts of Django are rapid web development Frameworks.

CERTIFICATES

- Java & Python Programming Udemy **March 2024**
- Introduction to Data Analytics | Coursera **February 2024**
- Python Django | Cipher Schools **July 2023**

EDUCATION

- **Lovely Professional University** **Jalandhar, Punjab**
Computer Science and Engineering — CGPA: 7.09 **2021-2025**
- **Nsr Impulse Junior College** **Hyderabad, Telangana**
Class XII — Percentage: 96.2 % **2019-2021**
- **S.S. Sai Gurukula V. Nikethan** **Karimnagar, Telangana**
Class X — CGPA: 9.7 **2018-2019**