

Career Objective

A highly skilled and diligent individual is actively seeking an opportunity to establish a career in the data science domain. I am eager to showcase my expertise in analytical tools, statistics, and machine learning within the organization where I work.

Technical Skills

- **Programming language:** Python
- **Visualizations:** Tableau, Excel
- **Packages:** NumPy, Pandas, Matplotlib, Seaborn, Scikit-Learn, Keras, TensorFlow, Pytorch, OpenCV.
- **Machine Learning Algorithms:** Linear and logistic regression, K-means clustering, K Nearest Neighbour, Decision Tree, Random Forest, Boosting Algorithms, SVM, DB SCAN clustering.
- **MySQL**
- **Cloud Computing:** Microsoft Azure, Azure Data Factory
- **NLP**
- **Deep Learning**
- **Flask Framework and Basics of Django**
- **Basics of HTML & CSS**
- **MS Word, PowerPoint**

Work Experience

- ***Machine Learning Engineer at TruProjects Educational Services Pvt Ltd, Hyderabad*** from May 2023.
 - ❖ **Roles and Responsibilities:**
 - Data Collection using web scrapping.
 - Preprocess, clean, and analyze large datasets using data visualization to extract meaningful insights.
 - Annotating the image dataset using the tool called roboflow.
 - Train YOLO models on the annotated dataset.
 - Design, develop, and implement machine learning algorithms using Python.
 - Evaluate, and fine-tune models to achieve optimal performance.
 - Developing UI for ML & AI models using Flask framework.
 - Preparing Documentation for the projects.
 - Collaborate with cross-functional teams to understand the project requirements and translate them into technical solutions.
- ***Data Scientist Intern at TuringMinds.Ai, Hyderabad*** from Dec 2021 – Feb 2023.
 - ❖ **Roles and Responsibilities:**
 - Data extraction from valuable data sources.
 - Carrying out preprocessing of structured and unstructured data.
 - Analyzing large amounts of information to find patterns and solutions.
 - Developing prediction systems and machine learning algorithms.

Educational Qualifications

Guru Nanak Institute of Technology, Ibrahimpatnam

Bachelor of Technology in Mechanical Engineering

2018-2022

CGPA: 7.72

Certifications

- Post Graduate Certificate in **Computational Data Science** from **Case Western Reserve University and INSOFE**.
 - Certificate ID: 4286
 - Certification date: 1st Jan 2023
- Certification in **Python** from **HackerRank**.
 - Certificate ID: 7B46743D8C50
 - Certification date: 1st May 2023
 - URL: <https://www.hackerrank.com/certificates/7b46743d8c50>

Projects

1: Autonomous landing scene recognition based on transfer learning for drones.

- Collected images through web scraping and curated a dataset with seven distinct classes.
- Developed a model for drones to recognize landing scenes using transfer learning autonomously.
- Designed and implemented a user interface (UI) using the Flask framework for user interaction.

2: Classification and Detection of Plant Leaf Diseases for various crops using DL and YOLO

- Developed classification and detection models for plant leaf diseases across various crops.
- Utilized Xception, AlexNet, VGG16, and GoogLeNet for leaf disease classification, and YOLO models for object detection on three datasets.
- Prepared datasets for apple leaf, tomato leaf, and grape leaf, and annotated them using the Roboflow tool.
- Designed and implemented a user interface (UI) using the Flask framework for seamless interaction.

3: To Predict whether a person can have coronary heart disease or not using machine learning

- Conducted exploratory data analysis (EDA) to gain insights into datasets, facilitating data preprocessing through feature engineering and scaling.
- Designed, developed, and implemented various machine-learning algorithms using Python.
- Evaluated and fine-tuned models to achieve optimal performance.
- Developed user interfaces (UI) using the Flask framework for seamless interaction.

4: Analysis of Sales using EDA

- Conducted Exploratory Data Analysis (EDA) on sales data to uncover insights and patterns.
- Cleaned and processed raw sales data to ensure accuracy and integrity.
- Utilized various EDA techniques, including data visualization and statistical analysis, to identify trends and correlations within the sales dataset.
- Generated actionable insights to optimize sales strategies and enhance business performance
- Presented findings through comprehensive reports and visualizations for stakeholders' understanding

Additional Information

- Good communication skills.
- Attention to detail with the ability to quickly complete a large volume of work.
- I am a good team player.