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PROFESSIONAL EXPERIENCE

Data Science Intern 01/2025 - Present

Internshala

- Developed and fine-tuned supervised machine learning models (classification & regression) using scikit-learn to solve real business problems.
- Applied feature engineering techniques and hyperparameter tuning to improve model accuracy and performance.
- Designed interactive Power BI dashboards integrating model outputs.

Data Analyst Intern03/2024 – 04/2024

Afame Technologies

- Analyzed and processed large datasets using Python libraries such as Pandas and NumPy.
- Developed data cleaning and preprocessing scripts to enhance data quality and integrity.
- Conducted exploratory data analysis (EDA) to identify trends, patterns, and correlations.

Data Science and Business Analyst.....05/2023 - 06/2023

The Sparks Foundation

- Conducted data preprocessing and analysis using Pandas and NumPy.
- Developed visualizations with Matplotlib and Seaborn to uncover insights.
- Implemented Unsupervised Machine Learning models to analyze data patterns.

PROJECTS

From Bytes to Bushels: Machine learning Insights for Rural Empowerment.

- Utilized the M.G.N.R.E.G.A. dataset (updated on 13-09-2023) to analyze rural empowerment initiatives.
- Predicted optimal budget allocations, expenditures, and job demands through data analysis.
- Applied machine learning techniques to enhance decision-making and optimize resource allocation.

Agri Forecast: Yield Prediction Tool

- **Developed a Predictive Model:** Built and trained a Decision Tree Regressor model to forecast crop yields.
- **Deployed a Web Application:** Implemented the predictive model in a Flask-based web application.
- **Conducted Data Preprocessing and Analysis:** Preprocessed data by handling missing values, normalizing features, and encoding categorical variables.

Insight Sphere Sales Analytics

- Built an interactive Power BI dashboard integrated with SQL for analyzing sales trends.
- Designed dynamic visualizations with slicers and filters to provide actionable insights.
- Delivered insights on seasonal trends, currency impacts, and market-wise revenue.

EDUCATION

Master of Computer Applications

2023 - 2025

K.R. Mangalam University

(8.59- S.G.PA)

CERTIFICATIONS

- **Data Analytics Certificate** – EagletFly Solutions
- **SQL (Basic)** – HackerRank
- **The Ultimate MySQL Bootcamp: Go from SQL Beginner to Advanced** – Udemy
- **Bootcamp on Big Data and Data Science** – CDAC, Noida
- **Microsoft Excel: Excel from Beginner to Advanced** – Udemy
- **Python A-Z: Python for Data Science with Real Exercises** – Udemy

TECHNICAL SKILLS

Programming: Python, SQL

Data Analysis: Pandas, NumPy, Exploratory Data Analysis, Statistics, Excel

Machine Learning: Scikit-learn, Unsupervised Learning, Supervised Learning, Clustering Model

Data Visualization: Power BI, Matplotlib, Seaborn, Excel