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# ARUN KUMAR P

Data Scientist

## PERSONAL PROFILE

Aspiring Data Science enthusiast with a passion for transforming data into actionable insights. Eager to apply my academic expertise to solving real-world problems.

## WORK EXPERIENCE

**Data Science Intern** Luminar Technolab, Ernakulam

**Nov 2023 - Present**

- Accomplished exploratory data analysis on extensive datasets, successfully identifying patterns, trends, and insights with the potential to drive informed business decisions.
- Successfully generated data visualizations using Power BI, Matplotlib, and Seaborn to enhance data comprehension and decision-making.
- Excellently designed and implemented machine learning models to solve classification and regression problems.
- Successfully applied advanced Natural Language Processing (NLP) and text mining techniques to analyze unstructured data, including textual content and documents.
- Proficiently executed the extraction, transformation, and loading (ETL) of data from diverse sources and databases, enabling data analysis and modelling initiatives.
- Expertly conducted data pre-processing and feature engineering to enhance deep learning models.

## PROJECTS

### CURRENCY CONVERTER USING PYTHON

- This project is personal currency conversion assistant, built in python. It lets you easily switch between rupees and various foreign currencies, based on average rates over the past year(2023)
- Key Skill: Python

### Exoplanet Hunting using machine learning

- This presentation explores the interaction of astronomy and data science, revealing how advanced algorithm help in detecting exoplanets beyond our solar system.
- Various machine learning models likes random forest and decision tree are employed for exoplanet detection. .The fusion of astronomy and machine learning has revolutionized exoplanet discovery
- Key Skill: Python Pandas, Scikit-learn, Machine Learning.

### SMART CHAT BOT USING NLP

- This is a smart chat bot program using NLP and Python  
It uses a comparably simple approach to compute the relative distance between a query and the sentences contained in corpus
- Key Skill: Python Pandas, Scikit-learn, Machine Learning, NLP.

## EDUCATION

**BSc in Physics**

Kannur University **2019-2023**

## SKILLS

- Python Programming
- Pandas
- NumPy
- Seaborn
- MySQL
- Machine Learning
- Scikit-learn
- NLP
- Deep Learning
- TensorFlow
- Keras
- OpenCV
- Power BI
- Tableau
- Matplotlib

## CERTIFICATIONS

- **Data Science with Python**, Luminar Technolab
- Python, Great Learning
- Machine Learning, Great Learning

## LANGUAGES

- English
- Malayalam