

# R Pavithra

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## Aspiring Data Scientist

Aspiring data scientist with a strong foundation in statistical analysis, machine learning, and programming. Passionate about solving real-world problems using data-driven solutions. Eager to apply my skills and continuously learn in a professional environment.

## EDUCATION

### Master Diploma in Computer Applications

Bharat Sevak Samaj

### MBA

Dr. M.G.R Educational and Research Institute

### Pursuing Post Graduate Program in Data Science

Henry Harvin Academy

### B. Sc chemistry

Anna Adarsh College for Women

## CERTIFICATIONS

### Introduction to Prompt Engineering with GitHub Copilot

Simplilearn

### Generative AI for Beginners

Simplilearn

### Introduction to Large Language Models

Simplilearn

### Excel Automation using ChatGPT

Simplilearn

### R Programming A-Z

Udemy

## PROJECTS

### Fake News Detection using Machine Learning

- Developed a model to classify news as real or fake using Natural Language Processing ( NLP ).
- Implemented Logistic Regression and TF-IDF for feature extraction.
- Achieved improved accuracy by optimizing hyperparameters.

## **Spotify Exploratory Data Analysis ( EDA )**

- Analyzed Spotify datasets to find trends in popular songs and genres.
- Used Pandas and Matplotlib to clean, process, and visualize data.
- Identified Key factors influencing song popularity.

## **Image Classification using CNN**

- Built a Convolutional Neural Network ( CNN ) for classifying images.
- Used Tensorflow and Keras to train the model on labeled datasets.
- Improved accuracy with data augmentation and hyperparameter tuning.

## **Financial Data Analysis with Python**

- Analyzed financial data trends using Pandas and Numpy.
- Conducted Statistical analysis to identify patterns in stock prices.
- Created interactive visualizations using Matplotlib and Seaborn.

## **Data Preprocessing Pipeline using Python**

- Designed a reusable pipeline for cleaning and transforming raw data.
- Implemented feature scaling, encoding, and missing value imputation.
- Used Scikit-Learn and Pandas to automate preprocessing steps.

## **SKILLS**

\* Programming Languages : Python, R, SQL, \* Libraries and Tools : Pandas, Numpy, Matplotlib, Seaborn, Scikit-Learn, Tensorflow, \* Database : MySQL, \* Data Visualization : Power BI, Tableau, \* Version Control : Git, Github