

R. PAVITHRA

• Chennai

pavi12.kalakethra@gmail.com

+918754601600

Professional Objective:

A passionate aspirant seeking an opportunity in the Data Science realm to show case my analytical abilities to draw business insights, problem solving skills that contribute to the growth of the industry.

Professional summary:

- **Training Experience:** Talking Technology (NIIT -Ambathur),Chennai(2011-12).
 - i Experienced in training Java, J2EE,JSF & Oracle.
 - ii Guided students in developing academic projects.
 - iii As Sage ERP X3 Consultant –Trained in modules Sales Distribution(SD),Purchasing(MM-PUR), Production Planning(PP).
 - iv **Intellipaate**: Given Python and SQL training.((2022).
 - v Data Engineer Intern at 360DigitMG.
- **Lectureship:**
 - i Rajalakshmi Institute of Technology, Chennai (2010-11).-
 - Held Responsibilities as ISO Coordinator, Timetable coordinator
 - ii Karpagam Engineering college, Coimbatore (2009-10).
 - Time Table In charge (CSE), COE(Controller of Examination) Assistant.
 - iii Graffins College in Nairobi (2013-15)-
 - Provided Training on JAVA, Python, Handled and Guided Students projects.
 - iv Indian Public School (2019-2020)- Provided Guest lectures on CS subjects.

Skills Set:

- Python:
 - (i)Anaconda,Visual studio,spark
 - (ii) Have good analytical skills and can perform statistical analysis- central tendency and accuracy metrics and visuals using matplotlib, seaborn.
 - (iii)Data extraction- Can wrangle data from different sources.
- JAVA: Core Java, J2EE, Web Development-HTML5, Angular
- SQL:
 - Using SQLor other relational databases can create custom data models.
 - CRUD operations done with Django framework.
- Data Visualization: PowerBI
 - (i)Using Power Query can connect data sources,import data and transform data for business intelligence.
 - Create, build and keep up to date PowerBI dashboards, data visualizations and KPI scorecards using PowerBI Desktop.

- Able to develop visualizations like Bar Chart, Lines, Histograms, Slicers, Heatmaps Scatter, Bullets etc.
- Using DAX can create measures to do intricate computations.
- **Machine Learning:**
 - Able to work on Supervised and Unsupervised models.
 - Have knowledge of NLP and Computer Vision.
- (a) **Housing Price Prediction:**
 - i. EDA- 79 explanatory variables(univariate,bivariate).Numpy,Pandas Matplotlib libraries used,Random Model.
 - ii. Business problem: To describe every aspect of the residential houses that leads to calculate the sales predictions.
- (b) **Recommendation System:**
 - i. Built Recommendation system for user based collaborative filtering movies are recommended based on genre and movie ratings.
 - ii. Libraries: Sentiments associated with reviews,NLTK,vectorizer,vader, Surprise are used to get the similarity index on genre and ratings.
- (c) **Image classification and deployment in Cloud (Microsoft Azure):**
 - i. MNIST dataset to train model with logistic regression and deploy workflow for Azure Machine learning in a python notebook.
 - ii. Goal is to train an image classification model and log metrics using MLflow.

Certifications Earned:

- Completed Advanced certification in Data Science and Artificial Intelligence.Sep2022 from Intellipaat-IITMadras.
- Completed the Internship project on MACHINE DOWNTIME OPTIMIZATION from 360digiTMG, July2023.

Academic Credentials:

- Academic year 2011-13 M.E-Computer Science & Engineering in Sree Sastha Institute of Engineering & Technology securing 8.72 CGPA, **First class with Distinction and got University rank.**
- Academic year 2005-09 o B.Tech- Information Technology in Adhiyamaan College of Engineering, Hosur securing 77.45 CGPA in First class with Distinction.

Personal Information:

- a. DOB:12 -DEC-1987
- b. Marital Status:- Married
- c. Place: Chennai

Declaration: I am confident in my ability to work as a team and progress. Hereby I declare that all the details provided are true to my best of knowledge.

(R.Pavithra)