RAJESWARI MEENAKSHISUNDARAM

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**CERTIFICATION**

* DATABRICKS ACCREDITED GENERATIVE AI FUNDAMENTALS-VALID UNTIL (05-05-2027)

**EDUCATION**

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| **Henry Harvin Education. (Dunster Business School)** | **2024 - 2025** |
| *Post Graduate Diploma, Data science* | |
| **Madurai Kamaraj University College, Madurai, Tamil Nadu, India** | **2003 - 2006** |
| *MCA* | |
| **CSI College, Madurai, Tamil Nadu, India** | **2000 - 2003** |
| *B.Sc., Computer Science* | |

**SKILLS**

* **Programming Language**: Python, R/R Studio,HTML,CSS,JavaScript
* **RDBMS Skill**: Oracle PL/SQL, MS SQL Server, Postgre SQL
* **Reporting Tool**: Excel, Power BI, Tableau
* **ETL Tool**: Informatica Power center, IICS,Unix shell scripts,cmd
* **MLOPs**: FastApi, openaiApi, Docker
* **AI Tools**: LLM,Langchain,GPT 3.5 turbo,Gemini and Google palm,tkinter,gradio,Dall-e,Gamma
* **Cloud:** AWS

**EXECUTIVE SUMMARY**

* Advanced Knowledge in Machine Learning and Statistical analysis, proven record of accomplishment of designing and implementing data driven solutions for business development.
* Deep understanding of the Data science Life cycle such as Business Understanding, Data Collection, Data Cleaning and Preprocess, Exploratory Data Analysis, Feature Engineering, Model Building, Model Evaluation, Data Visualization (Ex: Histogram, Boxplot, Pair-plot, and Scatterplot), and Deployment.
* Good understanding in neural network and deep learning approaches (Backpropagation, ANN, CNN, RNN, activation function, learning rate, and computer vision)
* Knowledge in reporting tool like Excel, Power BI and Tableau. Creating charts, graphs, and visual representations to communicate findings and insights effectively. Power BI, Transform, DAX, Power query, Bar chart, card, slicer, matrix KPI, Card, Map, Gauge, Data Modeling etc.

**PROJECTS**

* I did the projects of gold price prediction :Here I collected the data from yahoofinance real time series data (yfinance libraries)

then data munging/cleaning before build simple linear regression model ,find the evaluation metrics accuracy and error,identified

the tuned model by hyperparameter,visualize, and deploy User Interface by gradio app interface for decision making .

* I completed OpenCV Grading egg quality and Detect Tesla Cyber Truck in Roboflow App by using YOLOv8 integrated with

roboflow platform.Here I upload images, annotated the images,Then build the model,set param like agumentations and get o/ps

* I developed a AI-chatbot .In this project, I created a Python chatbot powered by the Tkinter GUI (Graphical User Interface)

toolkit. This chatbot will handle inquiries and answer questions. Natural language processing (NLP) understanding (NLU) that

accurately interpret user questions and match them from gemini 2.5 flash tools. Deep learning capabilities enable AI chatbots to

become more accurate over time, which in turn enables humans to interact with AI chatbots in a more natural, free-flowing way

without being misunderstood.

* I did the capstone project for Retail store sales dashboard in Power BI. This dashboard analyzes regional sales performance over the last years to help. Managers identify high-performing regions and optimize under performing ones