

MOULISHWARAN M

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Career Objective

I am passionate about data science and have skills in machine learning, deep learning, and computer vision. I know how to use python, SQL, Tableau, and power BI. I'm looking to use my analytical skills to solve real world problems and help business make data-driven decision.

Education	Skills	Tools
Masters Degree in Data science Periyar University, Salem Jun 2023-March 2025 CGPA: 7.4/10	<ul style="list-style-type: none">PythonR programmingSQLPower BIMachine LearningDeep LearningComputer vision	<ul style="list-style-type: none">JupyterVS codeGoogle colabPostgreSQLMy SQLPyCharm
Bachelors Degree in statistics Arignar anna govt arts college, Namakkal Jun 2019-March 2022 CGPA: 8.3/10		

Certifications

Python for Data Science, AI & Development	Jul 2023 - Aug 2023	Coursera
SQL For Data Science	Aug 2023 - Sep 2023	Coursera
Intel OneAPI Workshop	Apr 2024	Intel
Fundamentals Of Deep Learning	Out 2024	NVIDIA
Neural Networks and Deep Learning	Aug 2024 - Aug 2023	Coursera

Academic projects

Gold price prediction	Sept 2023-Mar 2024
Developed a machine learning model using Random Forest Regression to predict gold prices based on financial indicators (SPX, USO, SLV), achieving an R ² score of 98%. Implemented a Tkinter-based GUI for user-friendly, real-time predictions, and utilized Python libraries such as Pandas, Scikit-Learn, Matplotlib for data processing, visualization, and interface development.	

Number Plate Detection System	July 2024-Oct 2024
Developed a real-time vehicle number plate detection system using Python, OpenCV, EasyOCR, and Tkinter. Utilized an IP camera feed for live detection, implementing image processing and OCR for accurate text extraction from plates. The system includes a graphical Interface for displaying results, saving detections with timestamps, and managing detected records. Integrated threading to ensure a responsive GUI alongside continuous video processing.	

Internships

AI& Data Science Intern – Space Kids India (Remote)	Jan 2025 – April 2025
PDF & Image Text Extraction with Streamlit Developed a Streamlit application for text extraction from PDFs and images using OCR with Tesseract and pdf2image. Integrated SymSpell for spelling correction and PostgreSQL for storing and querying extracted data. Included features for user uploads, real-time text correction, and search functionality within a web interface. Tech Stack: Python, Streamlit, Tesseract OCR, SymSpell, PostgreSQL, PDF2Image	

AI Legal Research Intern – Boston (Remote)	Jan 2025 – April 2025
Developed a legal document analyzer that extracts text using OCR (Tesseract), corrects spelling with SymSpell, identifies legal keywords, and generates case-related insights using OpenRouter’s DeepSeek model. Delivered a chatbot interface for legal queries using LLMs. Tech Stack: Python, Streamlit, Tesseract, SymSpell, OpenRouter API, DeepSeek, PIL	

Entertainment industrial analysis

Developed a Tableau dashboard analyzing trends in movie budgets, genre popularity, release frequencies, and ratings over time. Utilized visualizations to display the correlation between audience and critic ratings, the budget distribution of top films by genre, and shifts in average ratings over a period of years. Provided insights into genre-specific budget trends and audience preferences to support data-driven decision-making in the entertainment industry.

Declaration

I hereby declare that all the details given above are true to the best of my Knowledge and Belief.