DEVANSHU PATIL

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My Portfolio Website

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SUMMARY

Proactive data science engineer equipped with comprehensive coursework and hands-on experience in statistical analysis, machine learning, and data visualization. Eager to apply technical skills and analytical mindset to solve real-world problems. Strong team player with a passion for continuous learning and innovation in the field of data science.

EDUCATION

Indian Institute of Technology, Madras
Bachelor of Science|Data Science And Applications
2022-Current
- Foundation Level Completed
- Diploma Level Ongoing

Savitribai Phule Pune University
Bachelor of Engineering , Computer Engineering
Zeal College of Engineering And Research
Pune, India
Expected in 2025 SGPA-8.53 CGPA-7.5

HSC – Higher Secondary Certificate.
Rao Junior College of Science, Pune ,India
Passed Out In Jun 2021
Grade- 92.67%

The Council for the Indian School Certificate Examinations (CISCE)
Blue Ridge Public School, Pune, India
10th Std Passed Out In May 2019
Grade - 90%

TECHNICAL SKILLS

Operating System:-
Windows, MacOS, Linux

Data Science:-
Machine Learning, Data Analysis, Data Visualization, Statistical Modeling, Dashboard Design, Gen AI, Agentic AI

Databases:-
MySQL, MongoDB, PostgreSQL

Programming Language:-
Python, C++, HTML, CSS, JavaScript, SQL, PHP

Libraries & Frameworks:-
Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, NLTK, Seaborn, Pytorch, PySpark

Version Control:-
Git & GitHub

Cloud Technologies:-
AWS, Azure, GCP

Other Softwares/Tools:-
PowerBI, Tableau, Adobe Premiere Pro 2021, Excel

SOFT SKILLS
- Problem-solving
- Analytical & Critical Thinking
- Articulate Communication
- Attuned Listener
- Team Collaboration
- Adaptability & Continuous Learning

HOBBIES
- Driving
- Travelling
- Wave Boarding
- Football

ACADEMIC EXPERIENCE

Group Leader
IIT Madras(Saranda House G.R. 206) | Sept 2023 - Aug 2024
- Cultivated strong relationships with students by listening carefully and offering positive reinforcement.
- Co-ordinated with other group leaders ,deputy secretary ,secretary and responsible higher authorities of IIT Madras BS Degree Programme.
- Conducted regular assistance to group members regarding the real-time issues they faced.

PROFESSIONAL EXPERIENCE

Data Science Internship
At Corizo | Jan 2024- April 2024
Responsibilities:-
- Contributed to all stages of data analysis.
- Utilized Python, R, and SQL for tasks such as data collection, cleaning, and interpretation.
- Created data visualizations using libraries like Matplotlib & Seaborn to communicate insights and findings effectively.

PROFESSIONAL MEMBERSHIP

Institute of Electrical and Electronics Engineers(IEEE)

PROJECTS

Advanced Overspeed Detection system: Link
- Utilized streamlit for GUI development
- Used yolo(You Only Look Once) model

Stock Price Prediction:- Link
- Developed a machine learning model using historical stock data to predict future stock prices & Implemented LSTM (Long Short-Term Memory) for time-series forecasting, achieving 88.60% accuracy.

Wine Quality Analysis:- Link
- Developed a classification model using Random Forest to predict wine quality based on physicochemical features, achieving 92.18% accuracy after hyperparameter tuning.

AplhaLens AI(Smart Investment Research Assistant):- Link
- Developed a multi-agent financial assistant using LangChain, LangGraph, and FastAPI to automate stock analysis, SEC filing summarization, risk assessment, and investment recommendation generation. Integrated real-time data from Alpha Vantage & Yahoo Finance, vectorized PDF filings using FAISS, and enabled intelligent query responses through RetrievalQA and LangSmith evaluation.

Langdetect:- Link
- NLP project dealing with language detection and translation based on text input.

CERTIFICATES
- NPTEL Certification on Introduction to Data Engineering Using Azure
- Certificate for Natural Language Processing(2023) by Pune Institute of Computer Technology(PICT)
- Certificate for Python by Udemy (2023)
- Cerificate on Machine Learning Essentials for Business and Technical Decision Makers(2024)
- Introduction to Generative AI - Google Course Badge(2024)