SEJAL PARATE

Aspiring IT Professional seeking a dynamic and challenging career in the technology sector

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Education

Vishwakarma Institute Of Information Technology, Pune **Aug 2021 - June 2025**
Bachelor Of Technology in Artificial Intelligence And Data Science *9.29 CGPA*

Loyola Junior College, Pune **July 2019 - May 2021**
HSC *95.33%*

Experience

Armament Research and Development Establishment (ARDE), DRDO **June 2023 - Sept 2023**
Research Intern *Pune, Maharashtra*
- Performed comparative analysis of steganography techniques like LSB, 2D CNN and 3D CNN.
- Evaluated their performance using various metrics.

Armament Research and Development Establishment (ARDE), DRDO **Feb 2024 - May 2024**
Project Intern *Pune, Maharashtra*
- Implemented and enhanced privacy management techniques in real-time.
- Achieved object detection and instance segmentation on target object.
- Inpainted the detected object in real-time, preserving privacy.

NeuDayAI Technologies **Present**
AI Developer Intern *Pune, Maharashtra*
- Working on Automated Exam Evaluation System.

Achievements

Viz-A-Thon 2.0 Winner **Jan, 2024**
Secured 1st rank, judged by Wolters Kluwer, IMFS and AiSA
- Presented insightful visualizations using PowerBI tool.

MKSSS's Cummins Datathon **Apr, 2024**
Amongst the top 10 teams, judged by BNY Mellon and AICVS
- Classified complaints with 89% accuracy, using Random Forest and Naive Bayes.
- Executed various text preprocessing tasks and fine-tuning to enhance the model's performance.

Projects

Mars Rover Image Classification | *Python, Deep Learning, Image Processing, Streamlit*
- Classifies images captured by NASA's Curiosity rover with 90% accuracy, utilizing CNN.
- Handled class imbalances to optimize model's performance

Fake Job Posting Detection | *Python, Natural Language Processing, Machine Learning*
- Predicting fake postings with 99% accuracy, using Random Forest and Logistic Regression models.
- Executed various text preprocessing to enhance model's performance.

Musicle - A Playlist management system | *Python, MySQL, Streamlit, Webscraping*
- Utilizes CRUD operations to manage and organize playlists.
- Webscraping generates dynamic YouTube links for songs.

Supply Chain and Logistics Chatbot | *Python, GenAI, LLMs, HuggingFace, Streamlit*
- Developed a chatbot using Llama 3.1 with RAG integration, answering supply chain queries.
- Utilized FAISS for storing vector embeddings generated using transformers.

Technical Skills

Languages: Python, SQL, C/C++,
Tools: MySQL, PowerBI, Excel, Git, GitHub, Jupyter Notebook, Google Colab
Skills: Machine Learning, Deep Learning, Data Science, Natural Language Processing (NLP), Large Language Models (LLMs), Database Management System (DBMS), Computer Vision, Statistics, Operating System (OS)

Certifications

Deep Learning: Convolutional Neural Networks in Python | *Udemy*
Python for Data Science and Machine Learning Bootcamp | *Udemy*
Career Path for Data Analyst using SQL | *DataCamp*