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Shreyash Somvanshi

Aspiring AI Researcher & Data Scientist

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Introduction

I am a dedicated and self-motivated Artificial Intelligence and Data Science student with a strong background in mathematics, programming, and statistics. I have experience in developing predictive models, analyzing large datasets, and implementing Machine Learning algorithms. Through coursework and personal projects, I have gained expertise in Python, R, SQL, and Machine Learning libraries such as scikit-learn, TensorFlow, and PyTorch. Currently I am exploring Reinforcement Learning and eager to apply my skills and knowledge to contribute to the success of an innovative and fast-paced organization.

Education

Bachelor of Engineering in Artificial Intelligence and Data Science, *Savitribai Phule Pune University* — 2020 – 2024
Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology — SGPA: 8.4/10

Bachelor of Engineering in Cybersecurity (Honours), *Savitribai Phule Pune University* — 2022 – 2024
Vidya Pratishthan's Kamalnayan Bajaj Institute of Engineering and Technology — Grade: B

Higher Secondary Education (XI & XII) — 2018 – 2020
Dayanand Science College, Latur — Marks: 79.38 %

Skills

Programming Languages	Python, R, Julia, Git, MySQL, MongoDB, LaTeX, MarkDown
Libraries	Numpy, Pandas, Scikit-learn, Tensorflow, PyTorch, Matplotlib, Seaborn, Transformers, Gymnasium
Interests	Explanable A.I., Cybersecurity, Quantum Machine Learning,
Communication	English, Hindi, Marathi

Projects

1. Udemy Course Recommendation System — **Github** | **Demo**
Python, Streamlit

- Built a recommender system using MultiClass Text Classification in Python.
- Trained this model on Udemy Courses Dataset.
- Deployed on Streamlit cloud with an interactive UI.

2. Sentiment Analysis using NLP — **Github** | **Demo**
Python, Streamlit

- Built a simple model to classify the sentiments of text as Positive or Negative with 88% accuracy.
- Used various libraries and techniques like nltk, tokenizer, stemming, lemmatization and trained with SVC.
- Deployed it on web using Streamlit.

3. Electric Vehicles Market Segmentation — **Github**
Python, Streamlit

- Pre-processed the dataset by cleaning and handling null values.
- Used Unsupervised learning techniques like clustering to extract important features from dataset.
- Plotted insightful visualizations depicting the trends in sales of EV's.

Technical Experience

Machine Learning Intern — **DEC 2022 – FEB 2023**
Feynn Labs — *Remote*

- Led a team of 4 members for successful completion of assigned project.
- Worked on real world problems including some case studies and Market Segmentation of Electric Vehicles.
- Plotted clear and attractive visualizations, created insightful documentations and reports.
- Gained experience in working with Unsupervised Learning algorithms and state-of-the-art ML frameworks.

Achievements

- Won 1st Prize in Data Science Bootcamp organized by Students Association of AI (SAAI), VPKBIET — 2023