SHIVAM SACHDEVA

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Summary

3rd-year B.Tech student in Mathematics and Computing at DTU with strong expertise in Machine Learning, NLP, and neural networks using Keras. Proficient in Python libraries, Java DSA, and basic web technologies. Actively seeking remote opportunities as a Data Scientist, Machine Learning Engineer, NLP Engineer, or Deep Learning Engineer.

Education

Delhi Technological University(DTU)	**2022-Present**
Bachelor of Technology in Mathematics and Computing	*CGPA: 9.52*
Gyan Devi Salwan Public School	**2021-2022**
Class 12th (Senior Secondary)	*Percentage: 97.6%*
Gyan Devi Salwan Public School	**2021-2022**
Class 10th (Secondary)	*Percentage: 98.4%*

Related Coursework

Applied Mathematics,Probability,Statistics,Linear Algebra,Data Structures,Algorithms.

Skills

Technical Skills

- Machine Learning & NLP: Proficient in machine learning algorithms and natural language processing (text classification).
- Proficient in data analysis,interpretation and visualization using Python libraries such as Pandas, NumPy, Seaborn, and Matplotlib.
- Neural Networks: Knowledgeable in building and implementing neural networks (ANN, CNN, RNN) using Keras.
- Data Structures & Algorithms: Strong grasp of data structures and algorithms in Java.
- Web Technologies: Basic knowledge of Flask, HTML, and MySQL.

Soft Skills

- Communication, Teamwork

Projects

1. Movie Recommendation System (Python|Pandas|Numpy|Scikit-Learn| NLTK | Streamlit) [Live Demo](#) | [Github_Repo](#)

-Developed a movie recommendation system using the TMDB dataset, applying data preprocessing and Bag-of-Words vectorization for content-based recommendations.

-Enhanced recommendations by incorporating numerical features and deployed the project on Streamlit Cloud.

2. SMS Spam Detector (Python | Scikit-Learn | TF-IDF | Streamlit) [Live Demo](#) | [Github Repo](#)

-Created an SMS spam detection system using a Kaggle dataset, with text preprocessing and TF-IDF vectorization, achieving 97% accuracy and 100% precision with Multinomial Naive Bayes.

-Deployed the application on Streamlit Cloud for interactive use.

3. Diamond Price Prediction (Python, Pandas, Scikit-Learn, Flask, HTML) [Github Repo](#)

-Prepared a diamond price prediction system using Python and machine learning, performing data preprocessing and selecting the best regression model based on accuracy.

-Built an interactive web application with Flask and HTML for users to predict diamond prices.

Academic Achievements

1. Attained 97.5 percentile in JEE Mains and qualified JEE Advanced demonstrating strong aptitude and proficiency in competitive examinations.
2. Achieved a remarkable score of 98.4% in CBSE Board 10th Class and 97.6% in 12th Class, securing the top position within school and across all institutions under "Salwan Education Trust".

Extracurricular Activities

1. Organizer, Model United Nations (MUN)
Led the organization of a school MUN conference, managing a team of 15 and facilitating discussions.

2. Organizer, School Tech Fest
Coordinated a large tech fest in school with coding competitions, gaming events, technical quizzes, and workshops, engaging students from multiple schools.