

Soumi Samanta

Fresher

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Burdwan, West Bengal, 713125, India

Enthusiastic and detail-oriented Computer Science graduate with expertise in Data Science and Web Development. Proficient in Python, JavaScript, Flask, and React. Experienced in building and evaluating machine learning models, conducting sentiment analysis, and developing web applications. Adept at using tools like NumPy, Pandas, Matplotlib, and Scikit-learn. Eager to contribute to innovative projects in a dynamic tech environment.

Skills

- **Languages:** C, Python, JavaScript
- **Frameworks:** Flask, React
- **Tools:** Visual Studio Code, Sublime, Notepad++, Github
- **Libraries:** NumPy, Pandas, Matplotlib, Scikit-learn, TensorFlow
- **Web Technologies:** HTML, CSS, Bootstrap, Tailwind CSS
- **Databases:** MySQL, MongoDB
- **Operating Systems:** Windows
- **Machine Learning:** Supervised and unsupervised learning, model evaluation, sentiment analysis

Education

M.sc. Computer Science

2022-2024, The University of Burdwan
(Currently Pursuing)

Bachelor of Computer Science(hons.) B.SC.

Burdwan MUC Women's college (2019- 2022)
CGPA - 9.28

Projects

Sentiment Analysis on Facebook Comments

- Developed a machine learning model to classify Facebook comments as positive, negative, or neutral using Python and Scikit-learn.
- Utilized Pandas for data manipulation, Seaborn and Matplotlib for data visualization, and Joblib for model persistence.
- Achieved high accuracy in model performance through extensive evaluation and optimization.

Flight Price Prediction

- Developed a machine learning model to predict Indian flight ticket prices using Python and Scikit-learn.
- Employed Pandas for data handling, Matplotlib for visualizing results, and Joblib for saving the model.
- Applied RandomizedSearchCV for hyperparameter optimization and achieved high accuracy through comprehensive evaluation and fine-tuning.