Affan Younis

LinkedIn
GitHub
affan_2021bcse003@nitsri.ac.in
+91 9149826409

Education

- **National Institute Of Technology Srinagar, J&K UT, India**
  B. Tech. Computer Science, CGPA: 8.593 (Batch 2021 - 2025)

Experience

Machine Learning & Artificial Intelligence Intern | Compozent | 01 December 2023 - 30 December 2023

- **Spam Email Classification:** Developed a classifier to identify spam emails using text preprocessing and machine learning techniques.
  - Conducted data exploration to understand the distribution of spam vs non-spam emails.
  - Performed text preprocessing tasks like tokenization, lemmatization, and vectorization.
  - Trained a Multinomial Naive Bayes (MultinomialNB) for text classification.
  - Evaluated model performance using accuracy, precision, recall, and F1-score.
- **Credit Card Fraud Detection:** Developed a RandomForestClassifier model to detect fraudulent credit card transactions.
  - Performed hyperparameter tuning using GridSearchCV to optimise model performance.
  - Trained a Random Forest Classifier model for detecting fraudulent credit card transactions.
  - Evaluated the model using metrics like Accuracy, Precision, Recall, F1-score, and AUPRC to account for class imbalance.
- Tools & Techniques: Python, numpy, pandas, matplotlib, scikit learn, MultinomialNB, RandomForestClassifier.

Projects

Text Classification Using DistilBERT

- Objective: Developed a text classification model to classify text input as positive or negative.
- Key Tasks:
  - Preprocessed movie review data from the IMDb dataset.
  - Fine-tuned the DistilBERT model for binary classification of reviews.
  - Developed a web application using Streamlit to provide an interactive interface with the model.
- Tools & Techniques: Python, Hugging Face Transformers, DistilBERT, PyTorch, NLP.

Question Answering Model Development

- Objective: Developed a deep learning model for question answering using the SQuAD dataset.
- Key Tasks:
  - Preprocessed the SQuAD dataset, including tokenization and mapping context to questions.
  - Fine-tuned a pre-trained DistilBERT model to perform the task of question answering.
  - Developed a web application using Streamlit to provide an interactive interface with the model.
- Tools & Techniques: Python, Hugging Face Transformers, DistilBERT, PyTorch, NLP.

Skills

- **Languages:** Python, C++, Java, HTML, CSS
- **Data Manipulation:** Pandas, Numpy
- **Data Visualization:** Matplotlib
- **Machine Learning:** Scikit-Learn
- **Deep Learning:** PyTorch
- **Databases:** MySQL
- **Version Control:** Git
- **Backend Development:** Django