Model Development Phase Template

Date	Nov 2024
Team ID	Team-739663
Project Title	AI-Enabled Candidate Resume Screening using NLP
Maximum Marks	10 Marks

Initial Model Training Code, Model Validation and Evaluation Report

The initial model training code for the resume screening system will be showcased in the future through a screenshot. The model validation and evaluation report will present a comprehensive summary of performance metrics such as accuracy, precision, recall, and F1-score for multiple algorithms (e.g., Logistic Regression, Random Forest, SVM), supported by respective training and validation screenshots.

Initial Model Training Code (5 marks):

Paste the screenshot of the model training code

Model Validation and Evaluation Report (5 marks):

Model	Summary	Training and Validation Performance Metrics
Model	>>>python train_model.py The above command is used to train the model. The train_model.py script initiates the model training process by leveraging machine learning algorithms such as Logistic Regression, Random Forest, or Support Vector Machine. It processes pre-cleaned resume and job description data, extracts features using NLP techniques like TF-IDF or word embeddings, and trains the model to match resumes with job roles. This integrated pipeline ensures efficient candidate shortlisting by analyzing skills, experience, and relevance with high accuracy.	