Applications of Artificial Intelligence in Computational Information and Communication Technologies : Submission (42) has been created.

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The following submission has been created.

Track Name: ICAAI2025

Paper ID: 42

Paper Title: Resume Classification using Machine Learning

Abstract:
In the context of the rapid and extremely competitive contemporary job market, the amount of applications and resumes received per available job advertisement has grown exponentially with the universal digitalization and availability of online interfaces. Human hiring agents are faced with the onus of manually processing hundreds or thousands of resumes for every vacant position, which leads to inefficiency, possible bias, and mistakes within the candidate screening process. The manual method is not only time-consuming but also inconsistent since resumes usually do not have a standard format, usually providing information in highly varied and unstructured forms. This inconsistency greatly hinders recruiters' capacity to properly evaluate and match candidate profiles to the needed job positions.

To solve these urgent problems, this project suggests an extensive Resume Classification System (RCS) constructed with Natural Language Processing (NLP) and Machine Learning (ML) methods. The main objective of this system is to mechanize the classification of resumes into pre-defined professional categories, thus optimizing the recruitment pipeline, decreasing manual effort, and enhancing the speed and precision of candidate screening. Through the utilization of the strength of machine learning, especially supervised learning classifiers, and sophisticated text mining processes, the RCS seeks to transform the conventional recruitment workflow.

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Secondary Subject Areas: Not Entered

Submission Files:
    Copy of IEEE_Blockchain_File_Sharing_ResearchPaper_Expanded.docx.pdf (330 Kb, Sat, 26 Apr 2025 18:12:36 GMT)

Submission Questions Response:
    1. Submission Agreement
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Thanks,
CMT team.

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