ARTIVERSE 2.0

Team Name	**: Fly Bee**
Theme	**: Machine Learning**
Title	**:** AI-Driven Resume Screening System
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ABSTRACT

AI-Driven Resume Screening System

Recruitment processes often face challenges in efficiently screening large volumes of resumes, leading to delays and potential mismatches. Our AI-driven Resume Screening System leverages machine learning and natural language processing (NLP) to automate resume parsing and candidate-job matching. The system extracts key details like skills, experience, and qualifications, aligning them with job requirements for precise matching. Advanced semantic analysis ensures accurate results even with varied terminologies. The tool ranks candidates based on relevance, enabling recruiters to prioritize the best fits. Customizable algorithms and bias detection promote fair and tailored hiring practices. This solution accelerates recruitment, reduces manual effort, and enhances decision-making efficiency, transforming the hiring process.

KEYWORDS: Resume Screening,Candidate Matching, Recruitment Automation,Machine Learning,Natural Language Processing (NLP)

PROGRAMMING LANGUAGES & TOOLS:Languages: Python, R, Java, SQL.

NLP Tools: spaCy, NLTK, Hugging Face Transformers