**CANTILEVER AIML PROTERNSHIP 2025**

**ABSTRACT**

**Project Title:**

AI Resume Score Card.

**Team Details:**

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**Abstract:**

This project presents an AI-powered Resume Scorecard Generator designed to automate and enhance the resume evaluation process. The system is capable of analysing unstructured resume data from various formats, including PDF, DOCX, and plain text, to identify critical entities such as skills, work experience, education, and certifications. By analysing target job descriptions, the system establishes role-specific evaluation criteria and applies a configurable scoring algorithm to quantify alignment across key dimensions, including skill relevance, experience depth, qualifications, and document structure.

The implementation features a web-based interface that allows users to upload documents and receive comprehensive scorecards with actionable feedback. Utilizing technologies such as spacey for semantic analysis and Flask/React for application architecture, the solution aims to reduce recruitment bias while providing job seekers with data-driven insights for resume optimization. Future enhancements may incorporate machine learning to adapt scoring models based on historical hiring patterns, positioning the tool as a scalable resource for both candidates and HR professionals seeking objective resume assessments.

**Keywords:**

spaCy, NLP (Natural Language Processing), Resume parsing, Configurable scoring model, Predictive hiring, Data-driven hiring, Resume insights, Skills gap analysis.