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AI Resume Classifier: Automating Candidate Screening for Modern Recruitment

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ABSTRACT

Automation plays a vital role in the mechanical field by converting time-consuming and repetitive tasks into efficient, error-free processes that save both time and resources. Through smart pattern recognition, large volumes of engineering data—such as design outputs, testing results, and maintenance logs can be quickly sorted to highlight key insights, detect irregularities, and predict potential failures. This reduces manual delays and ensures smoother workflows, allowing engineers to focus more on innovation, problem-solving, and optimisation. By eliminating redundant steps and reusing validated information, automation enhances consistency in design, analysis, and manufacturing tasks. Furthermore, clean and structured data flow supports better decision-making, improving planning for preventive maintenance, resource allocation, and quality assurance. Automated systems continuously learn from feedback, becoming more accurate and adaptable to different project requirements over time. For the mechanical field, this results in faster project execution, improved reliability, and more efficient use of resources, strengthening overall performance and innovation.

Keyword: Automation, Time-consuming, Smart Pattern Recognition, Sorting, Decision-Making, Redundant, Mechanical field.



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