**A**

***SYNOPSIS REPORT***

*On*

**AI - RESUME ANALYZER**

*Submitted in partial fulfilment of the requirements of the degree of*

MCA Department of Trinity Academy of Engineering



Submitted by

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1. **Problem Statement**

In the current job market, the overwhelming volume of resumes received by employers makes the initial screening process time-consuming and challenging. Traditional methods of resume screening often lead to inefficiencies, bias, and oversight of potentially qualified candidates. The need for a more efficient, unbiased, and accurate resume analysis solution has given rise to the development of AI-driven resume analyzers.

1. **Objective And Scope Of The Project**

**Objective:**

Detail-oriented and highly skilled AI professional seeking a challenging position as an AI Resume Analyzer, leveraging expertise in natural language processing, machine learning, and data analysis to enhance the efficiency and accuracy of resume parsing. Committed to developing innovative solutions that streamline the recruitment process and contribute to the success of the organization."

**Scope:**

This system empowers job seekers with a personalized, data-driven approach to career placement while simultaneously assisting employers in identifying the most suitable candidates

1. **Methodology**

The methodology section of the Intelligent Resume Analyzer system involves several stages in the development and implementation of the system. The purpose of this section is to provide a clear understanding of the research design, data collection, and analysis procedures used in the development of the Intelligent Resume Analyzer system.

1. **Hardware and Software**

**Hardware:**

Standard laptop/desktop with sufficient processing power and storage.

**Software:**

-> Python for coding and analysis.

-> Streamlit for creating the interactive web interface.

-> Matplotlib for data visualization.

-> Pandas for data manipulation.

1. **Application:**

**AI – Resume Analyzer.**

1. **Future Scope:**

One of the exciting prospects is the enhancement of AI in conducting deeper assessments of candidates. Beyond parsing resumes for skills and experiences, AI is being developed to analyze more subtle aspects such as personality traits, work habits, and cognitive abilities.

1. **References/Bibliography:**

[https://www.ijitee.org/wp-content/uploads/papers/v9i7/F4078049620.pdf •https://www.academia.edu/32543544/Resume\_Parser\_with\_Natural\_Language\_Processing • https://www.rchilli.com/blog/resume-parsing-101/ • https://en.wikipedia.org/wiki/R%C3%A9sum%C3%A9\_parsing](https://www.ijitee.org/wp-content/uploads/papers/v9i7/F4078049620.pdf     •https://www.academia.edu/32543544/Resume_Parser_with_Natural_Language_Processing • https://www.rchilli.com/blog/resume-parsing-101/ • https://en.wikipedia.org/wiki/R%C3%A9sum%C3%A9_parsing)