A PROJECT REPORT

On

AI-Based Resume Analyzer

Submitted by

John Doe

in partial fulfillment for the award of the degree

of

BACHELOR OF SCIENCE

in

under the guidance of

Dr. Smith

Department of Computer Science

College Logo

XYZ University

(Sem V / VI)

2024-2025

College Logo

XYZ University

123 College St, City, Country

Department of Computer Science

CERTIFICATE

This is to certify that Mr./Ms. John Doe of **T.Y.B.Sc. (Sem V/VI)** class has satisfactorily completed the Project **AI-Based Resume Analyzer**, to be submitted in the partial fulfillment for the award of **Bachelor of Science in** during the academic year **2024-2025**.

_____	_____
Signature of Project Guide	**Signature of Principal**

_____	_____	_____
Internal Examiner	**College Seal**	**External Examiner**

ABSTRACT

AI integration

Automated resume screening

User-friendly interface

DECLARATION

I, John Doe, hereby declare that the project entitled "**AI-Based Resume Analyzer**" submitted in the partial fulfillment for the award of **Bachelor of Science in** during the academic year **2024-2025** is my original work and the project has not formed the basis for the award of any degree, associateship, fellowship, or any other similar titles.

Signature of the Student:

Place: _____

Date: _____

ACKNOWLEDGEMENT

It is a great pleasure that I present my venture in real-life application development in the form of project work. This project has been a very enriching experience in terms of programming skills and applying them to solve practical problems. I would like to extend my sincere gratitude to all those who helped me complete this project successfully.

I am happy to present this project work on the **AI-Based Resume Analyzer**. The satisfactory completion of this project is due not only to my own efforts but also to the valuable guidance rendered by my guide and others, as well as the necessary infrastructure and facilities provided by my college.

First, I extend my sincere thanks to the Principal, **Dr. Green**, and my guide **Dr. Smith** and the head of Department for their cooperation and guidance throughout the course. They provided support and briefed me from time to time, helping me overcome challenges and achieve the project's goals.

I also express my gratitude to all the faculty members of the , who imparted knowledge that proved valuable in the practical execution of this project. I would also like to thank those who helped me, either directly or indirectly, during the course of this work. Lastly, I would like to thank my friends for their constant support.

INTRODUCTION

This project aims to develop an AI-based resume analyzer...

OBJECTIVES

The key objectives are to automate resume screening...

SCOPE

This project will help HR professionals efficiently analyze resumes...

METHODOLOGY

Development Process

We follow Agile methodology for development...

Tools & Platforms Used

Python, Flask, OpenAI API for AI processing...

ER Diagram

ER Diagram

TOOLS AND TECHNOLOGIES

Python, Flask, OpenAI, MongoDB, Docker

TIMELINE

Gantt Chart

Gantt Chart

Key Milestones

Prototype by Q2, MVP by Q3, Final release by Q4

RESOURCES

Computing resources, AI APIs, Cloud hosting services

EXPECTED OUTCOMES

Functional Outcomes

Automated resume scanning, scoring, and analysis

User Interface Outcomes

A clean and user-friendly web interface

Project Structure & Source Code

Microservices-based architecture with API-driven design

REFERENCES

Smith, J. (2020). AI in HR Analytics. Tech Press.