



**SRI KRISHNA COLLEGE OF TECHNOLOGY**  
(An Autonomous Institution)  
Approved by AICTE | Affiliated to Anna University Chennai  
Accredited by NBA - AICTE | Accredited by NAAC with 'A' Grade  
KOVAIPUDUR, COIMBATORE 641042



**A JOB SEARCHING PORTAL**  
**SOFTWARE DESIGN PATTERN**  
**A PROJECT REPORT**

*Submitted by*

**HARRIS JAYARAM R** (727822TUAD019)

**HARI HARA MAHARAJAN S** (727822TUAD017)

**JAYASUDHAN M** (727822TUAD024)

**SELVENDRAN S** (727822TUAD048)

*in partial fulfilment for the award of the degree*

*of*

**BACHELOR OF TECHNOLOGY**

**IN**

**ARTIFICIAL INTELLIGENCE AND DATA SCIENCE**

**AUGUST 2024**

## **BONAFIDE CERTIFICATE**

Certified that this project report **JOB SEARCHING PORTAL** is the Bonafide work of **HARRIS JAYARAM R (727822TUAD019), HARI HARA MAHARAJAN S (727822TUAD017), JAYASUDHAN M (727822TUAD024) AND SELVENDRAN S (727822TUAD048)** who carried out the project work under my supervision.

*SIGNATURE*

**Mrs. KALAIVANI R**  
**SUPERVISOR**

Assistant Professor,  
Department Artificial  
Intelligence and Data Science  
Sri Krishna College of Technology,  
Coimbatore-641042

*SIGNATURE*

**Dr. MAHESHWARAN C P**  
**HEAD OF THE DEPARTMENT**

Associate Professor,  
Department Artificial  
Intelligence and Data Science  
Sri Krishna College of Technology,  
Coimbatore-641042

Certified that the candidate was examined by me in the Project Work Viva Voce examination held on \_\_\_\_\_ at Sri Krishna College of Technology, Coimbatore-641042.

**INTERNAL EXAMINER**

**EXTERNAL EXAMINER**

## ACKNOWLEDGEMENT

First and foremost, we thank the **Almighty** for being our light and for showering gracious blessings throughout the course of this project.

We express our gratitude to our beloved Principal, **Dr. M. G. Sumithra**, for providing all facilities.

We are grateful to our beloved Head, Computing Sciences **Dr. T. Senthilnathan**, for his tireless and relentless support.

With the grateful heart, our sincere thanks to our Head of the Department **Dr. C. P Maheswaran** , Department of Artificial Intelligence and Data Science for the motivation and all support to complete the project work.

We thank **Mrs. R. Kalaivani**, Assistant Professor, Department of Artificial Intelligence and Data Science for her motivation and support.

We are thankful to all the **Teaching and Non-Teaching Staff** of Department of Artificial Intelligence and Data Science and to all those who have directly and indirectly extended their help to us in completing this project work successfully.

We extend our sincere thanks to our **family members** and our beloved **friends**, who had been strongly supporting us in all our endeavor

## **ABSTRACT**

The job searching portal is a cutting-edge web application designed to seamlessly connect job seekers with potential employers. Utilizing React for its frontend development, delivers a modern and engaging user experience, making job searches and applications both efficient and intuitive. The platform boasts advanced job search functionalities, enabling users to filter job listings by various criteria such as location, job type, and industry, ensuring highly relevant results. It features domain-specific job listings that cater to a wide range of professional fields and industries, allowing users to focus their search on areas most pertinent to their skills and interests. Additionally, the dedicated employer section simplifies the job posting process and allows employers to manage listings and conduct hackathons to discover top talent. To support career development, integrates a curated selection of popular courses, providing valuable resources to enhance skills and advance careers. The platform includes a comprehensive admin dashboard for efficient management of job postings and applications, ensuring smooth operational workflows. Designed with a responsive layout for optimal performance across devices, also features a user-friendly interface with advanced CSS animations for a visually appealing and interactive experience. By integrating real-time updates and interactive features, not only enhances the job search process but also fosters professional connections and supports career growth in a dynamic, user-centric environment.

## TABLE OF CONTENT

CHAPTER NO.	TITLE	PAGE NO
1	INTRODUCTION	1
2	SYSTEM SPECIFICATIONS	3
3	PROPOSED STATEMENTS	3
4	METHODOLOGIES	4
5	IMPLEMENTATION AND RESULT	6
6	IMPLEMENTATION OF BACKEND	31
7	ENTITY-RELATIONSHIP	36
8	BACKEND CODING	42
9	INTEGRATION	49
10	CONCLUSION	51

## LIST OF FIGURES

FIGURE NO.	TITLE	PAGE NO
4.1	Process-Flow Diagram	4
4.2	Use Case Diagram	5
4.3	Class Diagram	5
5.1.1-2	Candidate Login & Register	6
5.2.1	Homepage	8
5.3.1-2	Job Lists	9
5.4.1	Courses	10
5.5.1	About Us	11
5.6.1	Contact Us	11
5.7.1	Community FAQ	12
5.8.1	Job Application Form	13
5.9.1	Footer	13
5.10.1	Admin Login	14
5.11.1	Admin Dashboard	15
5.12.1	Admin Job Posting	15
5.13.1	Admin Application Review	16
5.14.1	Admin Client Management	16
5.15.1	Admin News Updates	17
5.16.1	Admin Feedback	17
6.3.6.1	Backend System Architecture	24
7.2.1	ER-Diagram	27
7.2.2	UML Component Diagram	27
7.2.3	Backend Flowchart	28
7.2.4	Postman Api	29
7.2.5	Mysql Database	30

## **LIST OF ABBREVIATIONS**

<b>ABBREVIATION</b>	<b>ACRONYM</b>
HTML	HYPERTEXT MARKUP LANGUAGE
CSS	CASCADING STYLESHEET
JS	JAVASCRIPT
REST API	REPRESENTATIONAL STATE TRANSFER APPLICATION PROGRAMMING INTERFACE
SQL	SOFTWARE DEVELOPMENT LIFE CYCLE
SDLC	STRUCTURED QUERY LANGUAGE

