

A  
Project II Report  
on  
**“ProjectNexa”**  
Submitted to  
**I. K. Gujral Punjab Technical University**  
**Kapurthala**

In partial fulfillment of the requirement for the  
Award of degree of  
**Bachelor of Technology**  
**Computer Science & Engineering**  
**(Artificial Intelligence & Machine Learning)**



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## Declaration

I **Anurag Sharda** (University Roll Number **2026284**), student of **B.Tech.(CSE) (AI & ML) Semester VII<sup>th</sup>** of **Apeejay Institute of Management & Engineering Technical Campus, Jalandhar** hereby declare that the project entitled “**ProjectNexa**” is the original work done by me.

**Date:**

**Signature of Student**

This is to certify that the above statement made by the candidate is correct to the best of my knowledge

**Date:**

**Name & Signature of Supervisor**

**B.Tech.(CSE) Semester VII<sup>th</sup> ‘Project-II’** Examination has been held on \_\_\_\_\_ and accepted.

**Signature of  
Internal Examiner**

**Signature of  
External Examiner**

**Signature of  
Dean**

## Preface

In the ever-evolving landscape of education and professional development, "ProjectNexa" emerges as a visionary solution to connect the aspirations of students with the opportunities presented by forward-thinking employers. This project portal is more than a platform; it is an embodiment of the belief that every student, regardless of their experience level, should have access to authentic, real-world projects, mentorship, and the recognition of their abilities.

"ProjectNexa" embodies a commitment to excellence and a dedication to nurturing a thriving ecosystem where students can discover projects aligned with their interests, connect with visionary employers who appreciate the fresh perspectives they bring, and embark on a journey of experiential learning. It recognizes that learning is a continuous process and aims to empower students not only with certificates but also with mentorship, recognition, and enriched skill sets.

At the heart of "ProjectNexa" lies an unwavering dedication to harnessing technology's transformative power. The platform leverages the strengths of Django and React to offer a seamless and intuitive experience, while incorporating Artificial Intelligence to facilitate project recommendations, fraud prevention, and user support.

As "ProjectNexa" takes its place in the educational and professional landscape, it is our sincere hope that it becomes a cornerstone in the educational journey of students and a trusted partner for companies in their quest for emerging talent. This project is a testament to the collective commitment and collaborative spirit of its creators, and it is our earnest wish that it finds a special place in the hearts and careers of all those it touches.

## Acknowledgement

In the pursuit of excellence and the creation of "ProjectNexa - The CREDMA.ch Project Portal," we acknowledge the invaluable contributions and support of numerous individuals and organizations who have played a pivotal role in the realization of this project.

First and foremost, we extend our heartfelt gratitude to the dedicated team of professionals who tirelessly invested their time, expertise, and unwavering commitment in the development and success of "ProjectNexa." Your collective effort has been the cornerstone of this endeavor.

We also extend our appreciation to our esteemed partners, advisors, and mentors whose insights, guidance, and wisdom have significantly shaped the vision and strategy of this platform. Their contributions have been instrumental in our journey.

Our heartfelt thanks go to the vibrant and dynamic student and employer communities. Your trust, active participation, and invaluable feedback have been the driving force behind the evolution and refinement of "ProjectNexa."

To the educators, mentors, and well-wishers who have continuously supported and encouraged us, we express our deep gratitude. Your influence has been a source of inspiration and guidance throughout this project.

Special thanks are extended to our project guide, Rajiv Kumar, whose mentorship and support have been instrumental in steering us through the complexities of this project. Your guidance has been invaluable.

"ProjectNexa" stands as a testament to the spirit of collaboration and innovation. It is a collective effort that underscores the importance of striving for educational excellence.

We embark on the next phase of our journey with profound appreciation for the past and boundless enthusiasm for the future. Your contributions have been instrumental in making "ProjectNexa" a reality, and for that, we are immensely thankful.

## **Abstract**

"ProjectNexa - The CREDMA.ch Project Portal" is an innovative and transformative platform that redefines the way students access project-based learning opportunities while providing CREDMA.ch with a streamlined approach to talent identification. This project seeks to bridge the gap between academic knowledge and practical experience by connecting students, including freshers, with real-world projects offered exclusively by CREDMA.ch, a distinguished company.

The portal boasts a robust technology stack, utilizing Python (Django) for the backend; React for the frontend, and Django REST framework (DRF) for seamless integration. The choice of PostgreSQL as the database management system ensures secure and efficient data storage, including information related to companies, projects, and students.

Key features include project listings, application submissions, online interviews, project allocation, performance assessments, and rewards distribution. Students have the opportunity to customize their profiles, apply for projects, and receive recognition in the form of stipends, certificates, and letters of recommendation upon successful project completion. Performance ratings provided by CREDMA.ch further enhance students' profiles for future opportunities.

The CREDMA.ch Project Portal is a testament to the power of technology, education, and industry collaboration. It empowers students to gain practical experience, improve employability, and align their skills with industry demands, while enabling CREDMA.ch to efficiently identify and engage with future talent. ProjectNexa promises to revolutionize the landscape of project-based learning and talent recognition, bringing students and industry closer together for mutual growth and success.

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