A REPORT
ON

INTERNSHIP AT KSOLVES INDIA LTD.

(AI/ML INTERN)

Submitted by,

Mr. VAIBHAV GUPTA - 20211CAI0118

Under the guidance of,

Dr. Zafar Ali Khan N

in partial fulfillment for the award of the degree of

BACHELOR OF TECHNOLOGY

IN

COMPUTER SCIENCE AND ENGINEERING
(ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING)

At

GAIN MORE KNOWLEDGE
REACH GREATER HEIGHTS

PRESIDENCY UNIVERSITY

BENGALURU

MAY 2025

PRESIDENCY UNIVERSITY

PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

CERTIFICATE

This is to certify that the Internship report **"INTERNSHIP AT KSOLVES INDIA LTD.(AI/ML INTERN)"** being submitted by **VAIBHAV GUPTA** bearing roll number **20211CAI0118** in partial fulfillment of the requirement for the award of the degree of Bachelor of Technology in Computer Science and Engineering is a bonafide work carried out under my supervision.

Dr. Zafar Ali Khan N
Professor & HoD
School of Computer Science and Engineering
Presidency University

Dr. MYDHILI NAIR
Associate Dean
PSCS
Presidency University

Dr. SAMEERUDDIN KHAN
Pro-Vice Chancellor - Engineering
Dean –PSCS / PSIS
Presidency University

PRESIDENCY UNIVERSITY

PRESIDENCY SCHOOL OF COMPUTER SCIENCE AND ENGINEERING

DECLARATION

I hereby declare that the work, which is being presented in the report entitled **"INTERNSHIP AT KSOLVES INDIA LTD.(AI/ML INTERN)"** in partial fulfillment for the award of Degree of **Bachelor of Technology** in **Computer Science and Engineering**, is a record of my own investigations carried under the guidance of **Dr. Zafar Ali Khan N, Professor & HoD, Presidency School of Computer Science and Engineering, Presidency University, Bengaluru.**

I have not submitted the matter presented in this report anywhere for the award of any other Degree.

Vaibhav Gupta

VAIBHAV GUPTA

20211CAI0118

INTERNSHIP COMPLETION CERTIFICATE

KSOLVES
Emerging Ahead Always

Date: 11 May 2025

Provisional Internship Letter

TO WHOMSOEVER IT MAY CONCERN

This is to certify that Mr. Vaibhav Gupta, **B.Tech** student from Presidency University, is working as an Intern (From 03rd February 2025 – till date) at Ksolves India Ltd.

During this period, he is getting exposure and training on technology "AI/ML" and is working on a live project.

Due to some confidential restriction, Intern is not allowed to share code, documents, credential or any information related to the projects.

Further, we found his sincere, hardworking, technically sound and result oriented.

Sincerely,

Akanksha Saini

Assistant Head HR

Ksolves India Ltd.

hr@ksolves.com

ABSTRACT

This report presents the work undertaken during my internship at "**KSolves India Ltd.**" in the domain of Artificial Intelligence and Machine Learning. The project, titled **"CureSense AI: AI-Powered Homeopathy Assistant"** focuses on building an intelligent healthcare assistant capable of understanding and answering complex user queries in the homeopathy domain. Leveraging technologies such as **Retrieval-Augmented Generation (RAG), LangChain, Neo4j Knowledge Graphs, and Azure OpenAI**, the assistant processes unstructured medical texts and converts them into structured knowledge, enabling semantic search and contextual reasoning.

The primary goal was to develop a chatbot that interacts with users, asks about their symptoms, and provides accurate homeopathy-based diagnosis and remedy suggestions. The project integrates **AutoGen agents** to automate multi-agent interactions, enabling a more dynamic and intelligent flow of information. Key challenges included mastering new frameworks like LangChain and optimizing knowledge graph construction from complex documents. The resulting system is scalable, adaptable to different domains, and paves the way for more intelligent, personalized healthcare solutions using AI.

ACKNOWLEDGEMENTS

First of all, we indebted to the **GOD ALMIGHTY** for giving me an opportunity to excel in our efforts to complete this project on time.

We express our sincere thanks to our respected dean **Dr. Md. Sameeruddin Khan**, Pro-VC - Engineering and Dean, Presidency School of Computer Science and Engineering & Presidency School of Information Science, Presidency University for getting us permission to undergo the project.

We express our heartfelt gratitude to our beloved Associate Dean **Dr. Mydhili Nair,** Presidency School of Computer Science and Engineering, Presidency University, and **Dr. Zafar Ali Khan N**, Head of the Department, Presidency School of Computer Science and Engineering, Presidency University, for rendering timely help in completing this project successfully.

We are greatly indebted to our guide **Dr. Zafar Ali Khan N, Professor & HoD** and Reviewer **Dr. Murali Parameswaran, Professor**, Presidency School of Computer Science and Engineering, Presidency University for his inspirational guidance, and valuable suggestions and for providing us a chance to express our technical capabilities in every respect for the completion of the internship work.

We would like to convey our gratitude and heartfelt thanks to the CSE7301 Internship/University Project Coordinator **Mr. Md Ziaur Rahman and Dr. Sampath A K,** department Project Coordinators **Dr. Afroz Pash** and Git hub coordinator **Mr. Muthuraj.**

We thank our family and friends for the strong support and inspiration they have provided us in bringing out this project.

VAIBHAV GUPTA(1)