July 2, 2025

Soham Kashettiwar
MGM College of Engineering
Nanded, Maharashtra
India

Dear Soham Kashettiwar,

Congratulations on your completion of a research-based internship, titled **Auto-Question Generator for Dynamic Programming**, at **AkharaPlus, LLC.**, beginning **February 2025** and concluding **June 2025**.

During this internship, you contributed to our ongoing initiatives in adaptive learning technologies and educational software development. The internship was structured to provide hands-on research and development experience aligned with real-world challenges in supporting K–12 and college-level learning through intelligent systems.

You fulfilled all responsibilities, which included:

1. Working remotely under the guidance of AksharaPlus engineering staff,
2. Attending and contributing to weekly status meetings,
3. Presenting progress and receiving feedback,
4. Preparing a final report documenting technical work, acquired skills, and professional development.

Specific details about your project include the following:

Project Title: Auto-Question Generator for Dynamic Programming

Project Goals: To develop an intelligent system that automates the generation and answering multi-level questions related to the dynamic programming topic. We aim to enhance algorithm understanding, support practice-based learning, and reduce manual effort in preparing educational content.

Project Deliverables: A modular Python application that automatically generates and answers questions on dynamic programming-based topics such as Knapsack, LCS, and MCM; an integrated multi-level question support including conceptual (Level 1), input/output-based (Level 2), and code-based (Level 3) formats;

and a dispatcher logic to intelligently route questions to topic-specific answer engines for accurate and context-aware responses.

Skills Developed: Application of dynamic programming to real-world automation use cases (Knapsack, LCS, MCM); expertise in developing Python applications using clean code architecture; gained experience in automated question generation and answer logic design; improved skills in problem decomposition, abstraction, and code reuse; and how to map algorithm theory to practical software implementation.

We commend your commitment, collaboration, and initiative throughout the internship. AkshaPlus, LLC will serve as a professional reference, should you choose as you explore your career opportunities.

We wish you continued success in academic and professional pursuits and thank you for your valuable contributions to AksharaPlus, LLC.

Sincerely,

Dr. Dhana L. Rao
President and CEO