

Student Testimonial – IBM Internship

Name: Samarth Ashok Pujari

Internship Role: Artificial Intelligence and Cloud Technologies Intern

Organization: IBM (by Edunet Foundation)

Internship Duration: July 2025 – August 2025

During my internship, I gained hands-on experience with IBM Cloud Watsonx AI Studio, Agent Lab, AI Runtime, Prompt Lab, and Assistant.

I developed AI Agents (Travel, Research, and NAAC Accreditation) in Watsonx Agent Lab using LangGraph with ReAct architecture, integrating tools such as Google Search, DuckDuckGo, Wikipedia, Web Crawler, and Document Search (RAG).

Research Agent: Designed to assist academic research by autonomously searching literature, summarizing papers, organizing references, generating reports, suggesting hypotheses, and drafting research sections.

NAAC Accreditation Agent (RAG-Based): Designed to assist faculty in NAAC accreditation by retrieving institutional data, past reports, and NAAC guidelines to help generate SSR drafts, criteria-wise inputs, and best practice documentation.

Travel Planner Agent: Provides personalized trip planning by suggesting destinations, building itineraries, recommending transport and accommodation, and managing bookings using real-time data and integrations with maps, weather updates, and local guides.

I led multiple ML pipelines in Watsonx AI Studio using AutoAI, performing data analysis, feature engineering, hyperparameter tuning, and ensemble creation; all assets were stored and managed in IBM Cloud Object Storage. I also performed multiple data analysis tasks on diverse datasets, extracting insights to improve model performance and solutions.

Additionally, I developed chatbots using Watsonx Assistant, including a *Flower Shop* chatbot and another chatbot created during my teaching experience, which I integrated with WhatsApp via Twilio for real-time interaction.

I also tested and applied prompt engineering in IBM Cloud Watsonx Prompt Lab for tasks such as summarization, classification, extraction, Q&A, code generation, and translation.

All solutions developed during my internship were deployed using IBM Cloud Deployment Spaces.

I am deeply grateful to Edunet Foundation and IBM for providing me this opportunity and expert guidance throughout the internship, which significantly enriched my practical knowledge and industry experience.