Job Description – AI/ML Intern (Generative AI & Machine Learning)

Company: SynGrow Consulting
Location: Pune (On-site)
Internship Type: Full-time
Duration: 6 Months
Joining: Immediate Only
Stipend: ₹15,000 per month
Vacancies: 2

About the Role

SynGrow Consulting is seeking highly motivated AI/ML Interns who are passionate about Machine Learning, Generative AI, and real-world AI applications. As an intern, you will work closely with senior Data Scientists and AI Engineers to build GenAI applications, RAG-based chatbots, recommendation systems, predictive models, and automation workflows.

This role is ideal for fresh graduates looking for hands-on experience in enterprise-grade AI development.

Eligibility Criteria (Mandatory)

Candidates must meet all the following conditions:

1. Must NOT be working on any other job/project/internship.
2. Must NOT be employed full-time or serving notice.
3. Must be available to join immediately.

Required Technical Skills

- Strong understanding of Python and ML libraries:
  NumPy, Pandas, Scikit-learn
- Basics of Natural Language Processing (NLP), embeddings & vector databases

- Understanding of LLMs (e.g., ChatGPT, Gemini, Llama)
- Familiarity with LangChain (preferred)
- Knowledge of model training, evaluation, and deployment concepts
- Hands-on experience with at least one real AI/ML project

Preferred Project Experience

Resumes with the following will receive higher preference:

- E-commerce Recommendation Systems
- AI Chatbots (general or domain-specific)
- RAG-based Chatbots (Retrieval-Augmented Generation)
- Any type of recommendation engine (product, movie, content, etc.)
- Sentiment Analysis projects

Key Responsibilities

- Assist in building and fine-tuning ML models
- Work on LLM-based applications, chatbot development & prompt engineering
- Build and implement RAG pipelines using vector embeddings
- Develop and evaluate recommendation models
- Perform model validation, testing, and documentation
- Support cloud-based deployment & API integrations
- Collaborate with senior engineers on real-time AI projects

What You Will Learn

- End-to-end AI product development lifecycle
- Building enterprise-grade LLM chatbots using LangChain
- Vector search, embeddings & retrieval frameworks
- Designing recommendation algorithms
- Sentiment analysis & automation workflows
- API integrations & cloud-based AI deployment practices