

## Job Description

<b>Company</b>	Course5 Intelligence
<b>Position Title</b>	Senior Analyst/Associate Manager
<b>Reporting to</b>	Director & above
<b>Schedule</b>	Full-Time
<b>Work Location</b>	Mumbai/Bengaluru/Coimbatore/Gurugram

### OVERVIEW

#### Course5 Intelligence

We enable organizations to make the most effective strategic and tactical moves relating to their customers, markets, and competition at the rapid pace that the digital business world demands. Founded in 2000, our business areas include Market Intelligence, Big Data Analytics, Digital Transformation, Artificial Intelligence, and Analytics. Rapid advances in Artificial Intelligence and Machine Learning technology have enabled us to create disruptive technologies and accelerators under our Course5 Intelligence suites that combine analytics, digital, and research solutions to provide significant and long-term value to our clients. More information can be found at [www.course5i.com](http://www.course5i.com)

#### Global Offices

United States | Canada | United Kingdom | United Arab of Emirates | India

#### Job Responsibilities:

We are seeking a highly skilled and experienced Generative AI Data Scientist to join our dynamic team. This role focuses on leveraging Deep Learning, specifically in Natural Language Processing (NLP), to develop innovative applications using Large Language Models (LLMs). The ideal candidate will have a robust background in statistical machine learning, Python programming, and experience in deploying production-grade applications. You will be instrumental in pioneering projects that integrate advanced AI techniques to solve complex problems across various domains.

- Design, develop, and deploy advanced models based on Large Language Models (LLMs), focusing on natural language understanding and generation.
- Implement and optimize retrieval algorithms to enhance model performance.
- Utilize the Langchain framework for developing scalable and efficient AI solutions.
- Integrate vector databases such as Azure Cognitive Search, Weavite, or Pinecone to support AI model functionalities.
- Apply the Retrieval-Augmented Generation (RAG) framework to improve the contextual relevance of generative models.



- Work closely with cross-functional teams to define problem statements, scope out and prototype solutions that leverage the full capabilities of generative AI.
- Ensure robustness, scalability, and reliability of AI systems by implementing best practices in machine learning and software development.
- Maintain up-to-date knowledge of technology advancements in AI, machine learning, and cloud services to enhance organizational capability.

### Requirements & Qualifications:

- 5+ years of proven work experience in Data Science.
- Specialized in Deep Learning (NLP) and statistical machine learning.
- Strong Python skills.
- 1+ years (preferably 2 years) of experience in developing LLM (Large Language Models) applications.
- Experience with developing production-grade applications.
- Well-versed with Langchain framework.
- Familiarity with one of the vector databases: Azure Cognitive Search, Weavite, or Pinecone
- Clear understanding and work experience with different retrieval algorithms.
- Familiarity with the RAG (Retrieval-Augmented Generation) framework.
- Experience with Microsoft Azure cloud services.

**Course5** is proud to be an equal opportunity employer. We are committed to equal employment opportunity regardless of race, color, religion, sex, sexual orientation, age, marital status, disability, gender identity, etc. If you have a disability or special need that requires accommodation, please keep us informed about the same at the hiring stages for us to factor necessary accommodations.

