

Name : Vishnu Ranjeeth P

Roll No.: 713322AD119

Dept : AI&DS

Task 3 : Data scientist roles research

1.Data Engineering and Pipeline Development

Role: Data Scientists often work on building and maintaining the infrastructure required for data collection and processing. Their role is Designing and implementing data pipelines to automate data collection and processing ensuring data quality and integrity throughout the pipeline. They Collaborate with data engineers to create scalable data solutions.

2. Research and Innovation

Role: Data Scientists are responsible for staying updated with the latest trends and advancements in the field and applying innovative techniques to solve complex problems.

Responsibilities:

Conducting research to develop new methodologies and algorithms.

Experimenting with cutting-edge technologies and tools.

Publishing research findings and contributing to the data science community.

3. Business Acumen and Strategy

Role: Data Scientists need to understand the business context and align their work with the organization's strategic goals.

Responsibilities:

Collaborating with business stakeholders to identify opportunities for data-driven improvements. They traslate business problems into analytical tasks and data solutions.

Providing strategic recommendations based on data insights to drive business growth.