BT5151 – Advanced Analytics and Machine Learning

Assignment -1

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Name of AI tool	Prompts Used	Output or	How was this used
Used		Response	in the assignment
ChatGPT	Provide a detailed	Generated a	Improved upon the
	PyTorch training	structured PyTorch	base PyTorch
	loop for an image	training loop for	documentation,
	segmentation	image segmentation	enhancing clarity
	model		and efficiency.
ChatGPT	Convert this PyTorch	Rewrote functions	Simplified model
	code into PyTorch	using PyTorch	training workflow,
	Lightning while	Lightning syntax,	saving time and
	keeping the model	improving	effort compared to
	structure	modularity and	referencing
	unchanged	readability	documentation
			alone.
ChatGPT	Explain the	Provided a	Helped justify the
	differences between	comparative	transition to
	PyTorch and PyTorch	analysis highlighting	PyTorch Lightning in
	Lightning in terms of	automation in	the assignment.
	scalability and ease	PyTorch Lightning	
	of use		