




Formative Assignment 1


Module Name	Python Programming for AI
Course Name	Bachelor of Technology in Software Engineering
Assignment Title	Write a Blog on how AI impacts your daily life.

Learner Name	Francis Roel L. Abarca – bdse-0922-113
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Learner declaration	
I certify that the work submitted for this assignment is my own and research sources are fully acknowledged.	
Student signature: 	Date: 3/22/2025

Task Wise Solutions:

- LinkedIn (https://www.linkedin.com/posts/francis-roel-abarca-a0900b24b_artificial-intelligence-has-become-an-essential-activity-7309050536538816512-WErQ?utm_source=social_share_send&utm_medium=member_dektop_web&rcm=ACoAAD3Cf-kBUak9MMI9Wp-nWt5gl6ncNWbQzQ4)



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Artificial intelligence has become an essential part of my workflow, helping me automate tasks, enhance media, and even assist in learning. From software development to creative projects, AI significantly boosts efficiency—but not without its challenges.

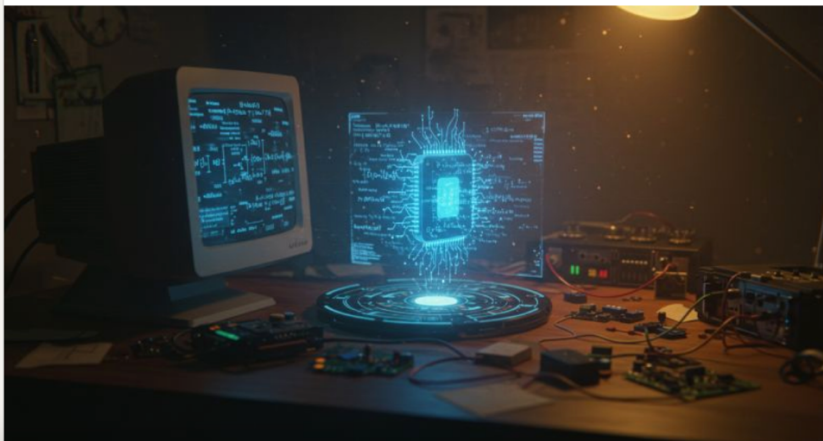
One of my most-used AI tools is Apple's OCR, which allows me to extract text from documents and images effortlessly. This saves time when searching for context in PDFs or photos. I also use AI-powered automation like Google AI Studio and my own AI Scraping System to convert technical scripts and files into natural language, speeding up my work as a developer.

Beyond development, AI plays a role in my creative side. I upscale low-resolution videos and photos, bringing old media back to life. In music production, AI-driven stem separation lets me remix songs much faster than traditional methods for personal use. Diffusion Models also allow me to create images for projects or just for fun.

Despite these advantages, AI has its drawbacks. Hallucinations in generative AI remain a challenge, even with extensive data. Upscaling AI can only do so much—it sometimes introduces inaccurate details. "Vibe Coding," where AI generates entire codebases, is great for prototyping but risky for production due to security vulnerabilities. I'm also experimenting with Agentic AI, but granting AI full control over a system comes with security concerns.

With a lot of these drawbacks, the biggest problem with AI right now is its hazy handling of Privacy and this is where my path to running LLMs on hardware comes into play as this only lets it run locally without the need for internet assistance unless asked.

AI is undeniably a game-changer, but responsible use is key. While it saves time and enhances creativity, understanding its limitations ensures we leverage it effectively without unintended risks.



- Text

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