

Foundations 2 - Tech Stack Fluency

Tech Stack Analysis - Sharaheel Ali

Current Setup

My current setup includes a MacBook running macOS and a Windows PC at home. I mainly use my MacBook for school, coding, teaching support, business work, and career development, but having both macOS and Windows gives me more flexibility. It lets me test projects in different environments, use different software when needed, and avoid being locked into only one setup.

Tool Fluency

Tool	Current Level / Use
VS Code	Intermediate, moving toward mastery with AI support. I use it for coding projects, debugging, and organizing files. I want to improve how I structure projects and use extensions more professionally.
Google Docs	Mastery for school and writing work. I use it to draft assignments, organize reflections, revise writing, and make work easier to share or submit.
ChatGPT / Codex	Intermediate, moving toward mastery. I use AI for brainstorming, debugging, explaining concepts, improving writing, and planning projects, while still checking the output myself.
Python	Intermediate. I have used Python for class projects and practice, especially with step-by-step problem solving, Turtle graphics, and smaller programs.
Canva	Intermediate. I use it for flyers, business visuals, and quick design work. I can make useful designs, but I still want to improve layout and brand consistency.
LinkedIn / Overleaf	Intermediate. LinkedIn helps with career presence and networking, while Overleaf helps me build a cleaner technical resume using LaTeX.

Current Gaps

- Git / GitHub:** I need to improve version control and project presentation so my work is easier to track, share, and show in a portfolio.
- Full-stack development:** I need to better understand front-end, back-end, APIs, and databases so I can move from smaller guided projects into more complete applications.
- Advanced design / UX:** I need to improve layout, user flow, and possibly Figma so my projects feel more polished and easier for real users to understand.

Why This Stack Matters

Overall, my tech stack matters because it shows that I use AI as part of a real workflow, not just as a shortcut. My strongest tools help me build, explain, revise, and communicate better. The next step is closing the gaps that would let me move from smaller guided projects into more professional, portfolio-ready work.