Installing and Configuring Nginx using Jenkins

In this assignment, I used Jenkins to automate the installation and configuration of Nginx on an Ubuntu system. I created a Freestyle Project in Jenkins and added a shell script in the build step

to:

- 1. Update package lists using sudo apt update.
- 2. Install Nginx using sudo apt install -y nginx.
- Enable and start the Nginx service using sudo systematl enable nginx and sudo systematl start nginx.
- 4. Allow HTTP traffic (port 80) through the firewall using sudo ufw allow 80/tcp and sudo ufw reload.
- 5. Verify Nginx status using sudo systemctl status nginx --no-pager.

After successfully building the project in Jenkins, I accessed Nginx's default web page using http://127.0.0.1:80. Finally, I verified the installation using terminal commands and documented the process with screenshots.







