* **NGINX**  
  Basic Configuration:
  + install NGINX on their local machines or a virtual environment.
  + configuring NGINX to serve a simple static HTML page.
  + explore the main NGINX configuration file (nginx.conf) and identify key directives like worker\_processes, events, and http.
* Virtual Host Configuration:
  + set up multiple virtual hosts on NGINX, each serving a different website.
  + practice configuring server blocks (server {} directive) for each virtual host and assigning appropriate domain names.
* Reverse Proxy Configuration:
  + configure NGINX as a reverse proxy server for a backend application running on a different port or server.
  + set up proxy\_pass directives to forward requests to the backend server.
* Load Balancing:
  + setting up a basic load balancing configuration using NGINX.
  + configure NGINX to distribute incoming requests among multiple backend servers using the upstream directive and load balancing algorithms such as round-robin.
* SSL/TLS Configuration:
  + configure NGINX to serve content over HTTPS.
  + generate SSL/TLS certificates and configure NGINX to use them for secure communication.
* Logging and Monitoring:
  + configure NGINX to log access and error information.
  + explore different log formats and set up log rotation to manage log files efficiently.