DINESHKUMAR PREMKUMAR

FRESHER

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SUMMARY

A fresher skilled in Networking Basics, AWS Cloud, Linux Administration and Cybersecurity fundamentals. Hands-on practice in basic cloud deployments, server configuration, troubleshooting and system management. Eager to kick-start my career in IT environments with a focus on consistent upgrades towards my career.

TECHNICAL SKILLS

Networking Basics: Routing, Switching, Troubleshooting, DNS, DHCP, ICMP, TCP/UDP, VLAN
Cybersecurity Fundamentals: Firewall, Threats, Authentication, Encryption, Antivirus, Vulnerabilities
AWS: EC2, S3, EBS, IAM, VPC, Lambda, RDS, DynamoDB, SNS, SQS, CLI, CloudWatch
System Admin: User & File Permissions, LVM, Packages, Performance Monitoring, System Maintenance
Tools: Cisco Packet Tracer, Git, Docker, Terraform, MS Office, Apache, IIS, Nginx
Platform: Amazon Web Services (AWS), Linux OS, Windows OS

TECHNICAL KNOWLEDGES

Networking Essentials
- Learned core concepts such as IP addressing, subnetting, routing, switching and VLAN configuration, and understood how data moves within a network.
- Practiced real-time troubleshooting using tools like ping, traceroute and netstat, and worked with protocols including DNS, DHCP, ICMP and TCP/UDP.

Cybersecurity Essentials
- Built a foundation in network security concepts including firewalls, intrusion threats, authentication, encryption and secure access control.
- Identified basic vulnerabilities in communication and applied defensive measures using log monitoring, antivirus policies and secure configuration practices.

Linux OS (Ubuntu, Red Hat)
- Managed file operations, directory navigation, permissions and services through terminal commands in Ubuntu.
- Installed software packages, monitored system performance and handled service management tasks in Red Hat environment using essential Linux commands like apt/yum/dnf, top/ls, systemctl.

Windows OS (Windows 10)
- Installed and configured system drivers, applications, user accounts and basic security settings for smooth system operation.
- Performed troubleshooting and maintenance using Event Viewer, Disk Management, Task Manager and used MS Office for documentation and productivity.

Amazon Web Services (AWS)
- Hands-on experience with core services like EC2, S3, EBS, RDS and DynamoDB for compute, storage and basic database tasks.
- Familiar with IAM, VPC, Lambda, SNS, SQS and cloud monitoring using AWS CLI and CloudWatch.

DevOps Tools (Beginner Level)
- Practiced basic Git operations such as repository setup, commits, push/pull operations and version history tracking.
- Gained beginner understanding of Docker containers and Terraform IaC concepts, including providers, resources and Infrastructure-as-Code workflow.

COURSES AND CERTIFICATIONS

- Networking Essentials --- Cisco Networking Academy (May 2023)
- Cybersecurity Essentials --- Cisco Networking Academy (Nov 2023)
- Linux Training Program --- Spoken Tutorial: IIT Bombay (May 2024)
- AWS Cloud Practitioner Essentials --- Amazon Web Services (AWS) (Oct 2025)
- AWS Artificial Intelligence Practitioner Learning Plan --- Amazon Web Services (AWS) (Nov 2025)

WORKSHOPS

- **Cisco Networking --- Cisco Networking Academy (Feb 2023)**
  Participated in a 3-day Cisco Networking workshop conducted by the ECE Department.
  and built foundational understanding of networking concepts.
- **Artificial Intelligence Tools using Python --- CADEPT TECHYS (Apr 2024)**
  Attended a 3-days workshop in Artificial Intelligence Tools using Python by CADEPT TECHYS,
  improved understanding of AI Toold and Workflow Automation.

MINI PROJECTS

- **Designed a Basic Network Infrastructure using Cisco Packet Tracer** (Workshop Practice) (Feb 2023)
  Skills: Switching, Routing, Troubleshooting, IP Addressing, Subnetting, DHCP, DNS, VLAN
- **Deployed a Web Application using EC2 Server in AWS Cloud Platform** (Sep 2025)
  Skills: AWS, EC2, Linux, SSH, Apache, Small Application
- **Hosted a Static Website on Amazon S3 in AWS Cloud Platform** (Aug 2025)
  Skills: AWS, S3, IAM, file, simple HTML website

EDUCATION

St. Joseph College of Engineering, Sriperumbudur Bachelor Of Engineering, Electronics and Communication Engineering	**Oct 2021 - Apr 2025** **CGPA: 7.91**
Revoor Padmanabha Chetty's Matric. Hr. Sec. School, Chennai 12th Grade (HSC)	**2019 - 2021** **Percentage: 80.6%**
Kavi Bharathi Vidyalaya (CBSE), Chennai 10th Grade (SSLC)	**2019** **Percentage: 69.4%**

ACHIEVEMENTS

- **Paper Presentation --- St. Joseph College of Engineering** (Sep 2023)
  Participated in Group Event called "Paper Presentation" consisting 2 Members and Explained about
  the topic "AI Essentials in Cloud Computing"
- **Project Expo - Hackathon 2K25 --- St. Joseph College of Engineering** (May 2025)
  Participated in Project Expo in Hackathon 2K25 conducted by Department of ECE and presented
  my Project with my Teammates as "IOT based low cost Monitoring of Water Quality in real-time"

LANGUAGES

- Tamil (Native or Mother Tongue)
- English (Working Professional)

STRENGTHS

- Speech Writing
- Time Management
- Teamwork
- Quick Learning