# Harshavardhan K K

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## PROFILE SUMMARY

Driven by a deep curiosity for systems and infrastructure, I specialize in cloud computing, computer networking, and Linux environments. Experienced in managing AWS services, Linux servers, and implementing secure networking solutions. Eager to contribute to organizational improvement.

## SKILLS

Python, C, Amazon Web Services (AWS), Docker, Kubernetes, Jenkins, Linux Systems, Networking, SSL Configuration, DNS Configuration, Basic - Terraform, HTML, CSS

## EXPERIENCE

**Cloud and Infrastructure Intern**                     16th June, 2025 – 16th July, 2025

Cholamandalam Investment and Finance Company Limited

- Automated provisioning of AWS infrastructure (EC2, RDS, S3) using Terraform for repeatable deployments.
- Built a CI/CD pipeline with Jenkins and Docker to automate application container deployment to AWS EC2 and EKS(Elastic Container Service for Kubernetes).
- Deployed load-balanced web applications on EC2, secured with AWS WAF, ALB, and SSL certificates.
- Architected a secure VPC with public and private subnets, utilizing a bastion host for secure instance access and endpoints for private communication with AWS resources.
- **Skills:** AWS (EC2, EKS, S3, RDS, Lambda, VPC, ALB, CloudWatch), IaC (Terraform), CI/CD (Jenkins), Containerization (Docker, Kubernetes), Linux Shell Scripting.

## PROJECTS

**My Portfolio**                                 November 2024 – Present

- Built and deployed a personal portfolio website on AWS CloudFront Content Delivery Network to showcase my projects and skills.
- Implemented DNS via Cloudflare and SSL security via AWS ACM, optimizing SEO for enhanced visibility.
- Achieved a 30% improvement in site load time after migrating from AWS EC2 to AWS CloudFront, reflecting my focus on performance optimization and cloud computing.
- Implemented CI/CD using Github Workflows. Pushes to my Github repository will be deployed on AWS immediately.
- **Skills:** AWS, SSL configuration, DNS configuration, Basic YAML, HTML and CSS

**AI Wardrobe**                                 January 2025 – February 2025

- Designed and developed an AI-powered web application that suggests outfits based on user-uploaded images.
- Integrated Gemini AI to enhance outfit recommendations, showcasing my interest in AI-driven personalization and practical applications of machine learning.
- **Skills:** Python, API Integration

**Home Media Server**                                    January 2024 – February 2024

- Repurposed an old laptop into a fully functional home media server using Jellyfin on Linux.
- Configured Tailscale VPN to enable secure global media streaming for multiple users, demonstrating my expertise in networking, server management, and Linux-based solutions.
- **Skills:** Linux Systems, VPN and Jellyfin Media Server Configuration

## EDUCATION

**B.Tech in Information Technology CGPA:** 8.21                              2022 – present
Rajalakshmi Engineering College, Chennai

**Class XII (CBSE) Score:** 93.2%                                               2022
Bharatiya Vidya Bhavan's Rajaji Vidyashram, Chennai

**Class X (CBSE) Score:** 91.8%                                                2020
Bharatiya Vidya Bhavan's Rajaji Vidyashram, Chennai

## CERTIFICATIONS

- ICT Academy AWS Cloud SAA
- Cisco Networking Foundations: Fundamentals of Cisco Networking
- Networking Foundations: LANs

## ASSIGNMENTS

**Media Team Member, DEVS REC**                                        2023 – 2024
- Organized DEV FEST 23.
- Designed promotional materials, including posters and Instagram content, to enhance engagement and event outreach.

**Core Member, Elite Club REC**                                       2024 – Present
- Part of the organizing committee for the college-level symposium Design Summit 24 andproject presentation event Innovision 25.
- Managed event promotions, social media content, graphic design, and captured moments.