

ALVIN DEVASSY

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PROFESSIONAL SUMMARY

Computer Engineering graduate with hands-on experience in Linux system administration, networking, and troubleshooting, backed by Python and Git. Skilled in configuring SSH, file permissions, system services, firewall rules, and virtual server environments. Gained practical experience in software testing, debugging, and issue resolution through an IBM internship. Currently building expertise in AWS and DevOps, with a focus on system implementation, deployment, and technical support.

TECHNICAL SKILLS

- **Linux & System Administration:** Linux (Ubuntu), user and permission management, process and service management (systemd), package management (apt), log analysis, server provisioning, system troubleshooting
- **Networking:** TCP/IP, DNS, DHCP, IPv4 addressing and subnetting, SSH, UFW Firewall, ports, network troubleshooting
- **Cloud (AWS):** EC2, S3, IAM, VPC, Security Groups, CloudWatch, AWS CLI
- **Scripting & Programming:** Shell (Bash), Python, C
- **Tools & Virtualization:** Git, GitHub, VirtualBox
- **Core Knowledge:** Operating Systems, Computer Networks, Debugging
- **Currently Learning:** Docker, CI/CD (GitHub Actions), Terraform

EDUCATION

Xavier Institute of Engineering, Mumbai University
Bachelor of Engineering, Computer Engineering

Mumbai, India
2022 – 2026

PROJECTS

Linux Server Provisioning on Repurposed Smartphone Hardware

- Designed and deployed a full Linux server infrastructure on repurposed embedded hardware to build hands-on Cloud/DevOps and systems administration expertise.
- Installed and configured postmarketOS using Ubuntu, ADB, Fastboot, TWRP, VirtualBox, and pmbootstrap.
- Configured networking and SSH access; diagnosed and resolved USB connectivity, device authorization, networking, flashing, and system configuration issues.

Virtualized Ubuntu Server Administration & Configuration

- Architected and administered an Ubuntu Server virtual environment using VirtualBox to replicate enterprise-grade system administration workflows.
- Managed users, groups, and file permissions; configured SSH, networking, package management, system services, and UFW firewall rules.

Evalyze - AI Interview Platform

- Contributed to an AI-powered mock interview platform with automated proctoring, supporting application development, testing, and software integration.

AI-Based Facial Recognition Attendance Management System

- Developed a Python and OpenCV-based attendance system using facial recognition; trained and evaluated the system on 10,000+ images, achieving approximately 95% recognition accuracy.

CERTIFICATIONS

- IBM - Artificial Intelligence Fundamentals, June 2024
- IBM - Getting Started with Artificial Intelligence, June 2024

LEADERSHIP & ACTIVITIES

Decoration Head, Xavier Institute of Engineering

2024 – 2025

- Led the college decoration team and coordinated event execution with team members.

National Service Scheme (NSS) Member

2023 – 2024

- Participated in community service initiatives and awareness programs.