

# KAUSTUBH JADHAV

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## OBJECTIVE

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Motivated IT graduate eager to begin a career, ready to learn, adapt quickly, and contribute to a collaborative team environment.

## EDUCATION

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**Master of Computer Application**, Sinhgad Institute of Management, Pune 2023 - 2025  
CGPA : 7.35 / 10.00

**Bachelor of Computer Science**, Gokhale RYK College, Nashik 2020 - 2023  
CGPA : 8.75 / 10.00

## SKILLS

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<b>Unix</b>	Process, Disk, Network, Memory, Permissions, Shell scripting
<b>Linux</b>	Firewall, User, Storage (LVM, RAID), Root recovery, IP setup, Network config
<b>Programming</b>	Java, PHP, Python, Bash
<b>Cloud and DevOps</b>	AWS, Docker, Jenkins
<b>Version Control</b>	Git, GitHub

## WORK EXPERIENCE

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**Linux System Administrator Trainee** Feb 2025 – Present

**Company:** Softenger India Pvt. Ltd., Pune

**Technologies Used:** Linux (Ubuntu), Bash, Cron, rsync, iSCSI, LVM, RAID, Firewall

Worked on Unix-based systems focusing on process management, disk management, memory tuning, and shell scripting to automate administrative tasks. Gained hands-on experience in managing network configurations, editing interface files, assigning static IPs, and bringing network cards up/down. Administered Linux systems by managing users and groups, setting permissions, and securing environments. Set up and maintained LVM volumes, software-level RAID arrays, and implemented firewall rules for system security. Recovered root passwords, installed and configured Linux OS, and managed remote storage using iSCSI target and initiator configurations. Attended Softskill training sessions to enhance communication, leadership, and teamwork skills. Applied these skills to improve efficiency and collaboration within the team.

## PROJECTS

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**AWS EC2 Web Server Deployment with S3 Integration.**

**Technologies Used:** AWS, EC2, S3, SSH, HTTPD, Git

Deployed a web server on an EC2 instance, configured Apache HTTPD, and ensured the server started automatically on boot. Configured Git on the EC2 instance for version control, enabling seamless integration with project repositories. Created an S3 bucket, applied a public read policy, and uploaded an image for web access. Integrated the S3 bucket with the EC2 web server, allowing the image to be publicly accessible via the EC2 instance's public IP address. ([Link](#))

**Automated Linux Backup Solution**

**Technologies Used:** Linux, Bash, Cron, SFTP, Email.

Automated backups using Bash scripting and rsync, scheduled via Cron to back up critical data. Transferred backups securely to remote servers using SFTP. Implemented email notifications for backup success or failure, ensuring proactive monitoring. Scheduled cleanup of old backups (older than 7 days) to optimize storage. ([Link](#))

## **Linux Root Password Break**

**Technologies Used:** Linux, Bootloader, runlevel, passwd command

Simulated root password recovery on a Linux system for troubleshooting and system recovery practice. Booted into GRUB, edited boot parameters to access single-user mode (runlevel 1), and reset the root password using the 'passwd' command. Ensured secure boot restoration post-recovery and verified administrative access. This process is essential for system recovery in real-time production environments.[\(Link\)](#)

## **RAID Configuration and Management on Linux**

**Technologies Used:** Linux, mdadm, RAID

Configured and managed RAID arrays (RAID 0, 1, 5) on Linux using the 'mdadm' tool. Created a RAID 1 (mirrored) array for redundancy, ensuring data safety. Performed array expansion and monitoring tasks to optimize performance. Validated the RAID configuration through benchmarking and fault tolerance tests, simulating disk failure and recovery.[\(Link\)](#)

## **COURSES AND INTERNSHIPS**

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- **Generative AI for DevOps by Trainwithshubham** – Gained insights into applying Generative AI in DevOps practices. [link](#)
- **AWS Zero to Hero by Trainwithshubham** – Learned the fundamentals of AWS Cloud with hands-on projects, covering various AWS services and solutions. [link](#)