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# Training

**Summer Training May 2024 - July 2024**

*Linux Socials*

* Strengthened **Data Structures and Algorithms (DSA)** skills by solving problems on multiple coding platforms.
* Focused on algorithmic techniques, including **Sorting, Searching, Recursion, Dynamic Programming, and Greedy** methods.
* Applied problem-solving strategies to optimize code efficiency and execution time.
* **Project:** Developed a **File Compressor & Decompressor** using **Huffman Coding** to efficiently reduce file sizes, improving storage and transmission efficiency.

# Projects

**Automated Apache Cloud Stack Setup on Ubuntu** *| Shell Scripting, Linux* **Feb 2025 - Present**

* **Engineered** a **Shell Script** to automate the **idempotent installation and configuration** of **Apache**

**Cloud Stack** on **Ubuntu**, ensuring repeatable and consistent deployments.

* **Automated** **network configurations, package management, system dependencies, and service initialization**, reducing manual intervention and deployment time.
* **Implemented** robust **error handling, logging, and validation mechanisms** to enhance script reliability and maintainability.
* **Optimizing** the script for **scalability, modularity, and environment-specific adaptability** to support diverse infrastructure setups

**Scalable 3-Tier Web Application Deployment** *| AWS, EC2* **Nov 2024 - Jan 2025**

* **Automated** the provisioning and scaling of cloud resources using AWS EC2 instances, ensuring high availability.
* **Improved** deployment speed by **50%**, enhancing system reliability by reducing manual interventions.
* Developed a **3-Tier Web Application** on **AWS EC2** with an Application Server, **Node.js Backend**, and Database Server for scalability and efficiency.
* **Implemented** DevOps best practices to ensure **efficient cloud operations, infrastructure automation, and system reliability**.

# Certifications

**AWS Certified Solutions Architect - Professional Nov 2025** *AWS*

**DSA & Problem-Solving Jun 2024**

*Linux Socials*

**AWS Certified Cloud Practitioner Nov 2023**

*AWS*

# Technical Skills

**Languages:** C,C++, Java, Python, Shell Script, Java Script

**Cloud & DevOps:** Cloud Computing , AWS, Docker , CI/CD , Virtualization , Automation .

**Technologies/Tools**: Git, GitHub, Ubuntu, Linux (Networking & Troubleshooting), VS Code , Figma , Mysql Work Bench.

**Skills**: Data Structures and Algorithms, Problem-Solving, Responsive Web Design, Scripting.

# Education

**Lovely Professional University Punjab** **2022 – 2026**

*Computer Science and Engineering — CGPA: 7.83 Jalandhar, Punjab*

**Sri Chaithanya Junior College** **2020 – 2022**

*12th with Science — Percentage: 95.30% Vijayawada, Andhra Pradesh*

**Sri Chaithanya High School** **2019 – 2020**

*10th with Science — Percentage: 100.00% Vijayawada, Andhra Pradesh*