MURLI MANOHAR SONI

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EDUCATION

Jodhpur Institute of Engineering and Technology, Jodhpur	**2022 - 2026**
B.Tech in Computer Science & Engineering with AIML	*9.11/10 CGPA*
Govt. Mahatma Gandhi Sr. Sec. School, Jodhpur	**2020 - 2021**
12th (PCM)	*87.2%*

SKILLS SUMMARY

Languages : Python, C, Bash
Python Libraries : NumPy, Pandas, Scikit-Learn, Matplotlib
Technologies : Linux System Administration, RHEL, Arduino, AWS(EC2 & S3)
Tools : Docker, Git, MySQL
Design Tools : Adobe Illustrator, Figma

TECHNICAL EXPERIENCE

DevOps Intern - Pseudoclan Pvt. Ltd   **May 2025 – July 2025**
Internship   *Hybrid*
- Containerized FastAPI-based applications using **Docker** for efficient deployment.
- Deployed and managed APIs on global Linux servers hosted on **AWS EC2**.
- Troubleshot deployment issues and optimized Dockerfiles for performance and reliability.

Red Hat Certified System Administrator (RHCSA) Training   **Jan 2025 – Feb 2025**
Apprenticeship   *On-Site*
- Configured Red Hat Enterprise Linux (**RHEL**) environments, managing users and groups.
- Implemented storage management and partitioning to optimize system performance and resource utilization.
- Automated system administration tasks using Bash scripting, improving operational efficiency.

DevOps Trainee - L&T EduTech   **Aug 2023 – March 2024**
Apprenticeship   *Hybrid*
- Gained foundational knowledge of Agile methodology and its integration with DevOps practices.
- Implemented Agile-based project automation leveraging DevOps tools and techniques.
- Configured **AWS EC2 and S3** for cloud-based deployments, optimizing resource management and storage utilization.
- Deployed and managed containerized applications using **Docker**, creating isolated environments to improve scalability and efficiency.

PROJECTS

Continuous Monitoring with Nagios
L&T Edutech
- Set up and configured Nagios for live system monitoring on an **EC2 instance**.
- Deployed **Nagios** to track system metrics such as CPU usage, memory, disk space, and network health, ensuring proactive monitoring.
- Enabled real-time alerts and notifications for system health issues to ensure uptime and performance.
- Documented the process for configuring hosts and services in Nagios for effective monitoring.

Myoware Electromyography (EMG) Sensor Analytics
IIT Jodhpur
- Developed a project utilizing the Myoware EMG Muscle Sensor and Arduino to evaluate and record the electrical activity produced by skeletal muscles.
- Programmed the **Arduino** to interface with the Myoware EMG Muscle Sensor and collected data and analyzed it using **Python**.
- Project submitted at IIT Jodhpur (IDRP Robotics And Mobility System).

CERTIFICATES

- **RedHat : RHCSA** - RedHat Certified System Administrator [ID: 250-029-923].
- **L&T EduTech** - Fundamentals of Agile Methodologies with **DevOps**, - Agile-Based Project Automation with DevOps, - DevOps Container Services, - DevOps Optimization.
- **TFour Tech Pvt. Ltd.** - Graphics Designing with Illustrator & Figma.
- **IDRP Robotics and Mobility System IIT Jodhpur** - Arduino-based system to record and analyze muscle electrical activity.

EXTRACURRICULAR ACTIVITIES

- Winner, Tequity Hackathon 2025 - Build with AI. .
- TPO Coordinator At College Training & Placement Cell Activities.
- Volunteered at the Workshop on Unlocking Innovation Research & Patents.
- Attended Workshops on Python GUI, Data Science with R programming, Arduino Basics.