

# CHENNA VENKATA SAI DHARAN

[dharan70365@gmail.com](mailto:dharan70365@gmail.com) | +919704686344 | Kadapa, Andhra Pradesh

## CAREER CONCISE

---

Enthusiastic and detail-oriented BTech graduate with strong skills in DevOps and Java. Proficient in CI/CD pipelines, cloud platforms, and infrastructure automation using Docker, Kubernetes, Ansible, and Terraform. Eager to apply technical expertise and problem-solving abilities in a dynamic environment.

## TECHNICAL SKILLS

---

- DevOps Tools: Jenkins(CI/CD), Ansible, Docker, Kubernetes
- Cloud Platform: AWS
- Monitoring Tools: Prometheus and Grafana
- VCS: Git and GitHub
- OS: Linux
- Languages: Core Java
- Database: MySQL

## PROJECTS

---

### CI/CD Pipeline with Docker and Jenkins

**Stack:** Git, GitHub, Jenkins, SonarQube, Docker, Docker Hub, Trivy, OWASP Dependency-Check

Developed and implemented a CI/CD pipeline to automate the deployment of a static website using Docker and Jenkins. The process involved integrating source code from GitHub, performing code quality checks, and deploying the application efficiently.

#### Key Responsibilities:

- integrated GitHub and Jenkins to automate the CI/CD pipeline using Jenkins declarative pipelines.
- Scanned source code using SonarQube to ensure code quality and identify potential issues.
- Created Dockerfile to containerize the application and deployed it on an Apache server.
- Scanned Docker images for vulnerabilities using Trivy and verified dependency security with OWASP Dependency-Check.
- Pushed the Docker image to Docker Hub for sharing and further deployment.

### Automated CI/CD Pipeline with Docker, Jenkins, Kubernetes & Monitoring

**Stack:** Git, Jenkins, Docker, SonarQube, Trivy, Kubernetes, Apache, Prometheus, Grafana.

Developed and deployed a static website using a fully automated CI/CD pipeline with security scanning and Kubernetes orchestration.

#### Key Responsibilities:

- Source Code & Analysis: Pulled code from GitHub and scanned it using SonarQube.
- Containerization & Build: Wrote a Dockerfile for Apache, pushed it to GitHub, built and tested it in Jenkins.
- Containerization & Build: Wrote a Dockerfile for Apache, pushed it to GitHub, built and tested it in Jenkins.
- Deployment: Pushed the Docker image to Docker Hub, Created a KOPS cluster (1 master, 2 nodes) and deployed the app on Kubernetes using manifest files.
- Monitoring: Integrated Prometheus and Grafana for real-time performance tracking.

## Library Management System

**Stack:** Core Java, SQL,

- Developed a Library Management System to handle book inventory management, user registration and lending operations.
- Implemented functionalities for adding, updating, and deleting books, user registration and authentication, and tracking book loans and returns.
- Leveraged JDBC to manage efficient database operations with a MySQL backend for secure and organized data storage and retrieval

## CERTIFICATIONS

---

- Docker Essentials for DevOps - **Offered by Coursera**

## WEBINARS & HACKATHONS PARTICIPATED

---

- Hackathon in IIITDM Kancheepuram, Chennai.

## EDUCATION

---

### **Kalasalingam Academy of Research and Education**

B.E Computer Science and Engineering. *Grade: 7.85 CGPA (Till current Semester)*

KrishnanKovil, TN.

Aug 2021 – current

### **NRI Junior college**

MPC, Intermediate. Marks: 957

Guntur, AP.

May 2019 -Mar 2021

### **Sri Chaitanya High School**

Secondary School of Education. Grade: 9.3 CGPA

Proddaatur, AP.

Jun 2018 – Mar 2019

## DECLARATION

---

I hereby declare that all the above information is true to the best of my knowledge and also prepared to work as per norms of the concern.

Chenna Venkata Sai Dharan