SURENDAR E

preepsurendar874@gmail.com | +91 9027515748 | **LinkedIn:** SURENDAR E | **Github:** Mr-Surendar

WORK EXPERIENCE

Internships **Chennai**

HCL Tech | Developer *Sep 2024 - Present*

- Built a DevOps dashboard with real-time CI/CD pipeline status tracking.
- Developed and maintained web applications using React.js, Node.js, and MongoDB to deliver user-friendly solutions.
- Created and deployed a WordPress website.

VR Dakshin Pvt Ltd | Networking & IT Support *Jun 2023 - Jul 2023*

- Assisted in configuring and maintaining network infrastructure for smooth operations.
- Provided technical support to troubleshoot and resolve IT-related issues.

EDUCATION

Anna University **Chennai**

BE (CSE) – Sri Muthukumaran Institute of Technology, Chennai | CGPA: 7.8 | 2021 - 2025

12th Grade – Chennai Corporation Higher Secondary School, Chennai | 76.94% | 2021

PROJECT EXPERIENCE

HCL github.com/Mr-Surendar

DevOps Dashboard – Real-Time CI/CD Monitor (Final Year Project)

- Built a secure dashboard displaying GitHub and Jenkins build pipelines.
- Used Docker and Jenkins for CI/CD and Terraform for infrastructure provisioning.

Deployed a Containerized Application to AWS EKS

- Architected a three-tier VPC setup with private/public subnets
- Integrated AWS ALB Ingress Controller for external access via Application Load Balancer

CI/CD Pipeline with Helm & ArgoCD

- Built an end-to-end CI/CD pipeline to automate app build, containerization, and deployment to Kubernetes
- Used Helm charts for K8s templating and ArgoCD for GitOps-based deployment

GitLab CI/CD Pipeline for Application Delivery

- Designed a GitLab pipeline for build, test, SAST scanning, and deployment of a board game app
- Implemented pipeline stages with runners, artifacts, and container registries

Infrastructure as Code with Terraform

- Developed complete infrastructure using Terraform to provision VPCs, subnets, route tables, RDS, and IAM roles
- Implemented remote backend state management with version locking and modularization

App Monitoring with Prometheus & Grafana

- Configured end-to-end monitoring stack with Prometheus for metrics scraping and Grafana for visualization
- Set up alerting rules, custom metrics, and service discovery for real-time insights

SkyAirlines – Online Flight Booking System

- Designed a MERN-based flight booking app with real-time seat selection.
- Backend handled search, bookings, MongoDB data storage, and user authentication.

SKILLS

Programming_languages: JavaScript, Node.js, Python, Bash, HTML, CSS, SQL

Frontend: React.js, Tailwind CSS

Backend: Node.js, Express.js, MongoDB

Tools_&_Platforms: Git, GitHub, Jenkins, Docker, NGINX, Terraform, Linux, AWS EC2, Azure, Netlify, Vercel