

# SANJAI K

214 Mullai Street, Viluppuram, Tamil Nadu 605401

📞 900-362-9953 ✉ [sanjaikumar2311@gmail.com](mailto:sanjaikumar2311@gmail.com) [in linkedin.com/in/sanjai-kumar-0500a825b](https://www.linkedin.com/in/sanjai-kumar-0500a825b) [github.com/SanjaiKumar2311](https://github.com/SanjaiKumar2311)

## EDUCATION

### St.Joseph's College Of Engineering

*Bachelor of Technology in Information Technology*

**Nov 2022 – May 2026**

*Chennai, Tamil Nadu*

**Cumulative GPA:8.68/10.00**

### Skills

**Programming Languages:** : Java ,HTML ,CSS

**Technical Skills :** Amazon Web Services(AWS), Linux, Networking, MySQL

**Tools and Frameworks:** Git ,GitHub ,Terraform ,Docker ,Kubernetes ,Jenkins, Prometheus, Grafana

## EXPERIENCE

### Bot2Do

**October 2024 – February 2025**

*DevOps Engineer Intern*

*Chennai, Tamil Nadu*

- **Containerization:** Containerized a full-stack app (React + Node.js + MySQL) using Docker and Docker Compose for local development.
- **Cloud Deployment:** Deployed the React app using Terraform on AWS ECS with ECR, improving container scalability.
- Automated backend setup using AWS Lambda + API Gateway via Terraform, enabling serverless operations.

### Projects

#### React Application Deployment on AWS ECS Using Terraform (Github)

**November 2024**

- Tools: **Terraform, Docker, AWS ECS (Fargate), AWS ECR.**
- Problem: **Manual deployments were inefficient and error-prone for microservices-based React applications.**
- Deployed a scalable React application on AWS ECS using Terraform, reducing deployment time by 60% through automation and infrastructure-as-code.
- Integrated Docker and AWS ECR to manage container images, and used ALB to ensure traffic load balancing in a secure VPC subnet.

#### End-to-End DevOps Pipeline for Java Application with Jenkins and Kubernetes (GitHub)

**December 2024**

- Tools: **Jenkins, Maven, SonarQube, Argo CD, Kubernetes, Git, Docker.**
- Problem: **Manual build and deployment processes delayed feature delivery and increased failure rates.**
- Built a complete CI/CD pipeline using Jenkins and Maven, cutting build failure rates by 40% and ensuring reliable code delivery.
- Integrated SonarQube for code quality checks and automated Kubernetes deployments with Argo CD, enabling GitOps-based release management.

#### Deploying Netflix Clone on an EKS Cluster (Github)

**January 2025**

- Tools: **GitHub, Jenkins, Docker, Kubernetes, Prometheus, Grafana, and SonarQube.**
- Problem: **Needed a secure, auto-scalable cloud platform to simulate a production-grade deployment and monitoring setup.**
- Deployed a Netflix clone on Kubernetes, using Jenkins and ArgoCD for CI/CD automation, and implemented SonarQube with Dependency Check for enhanced code quality.
- Enabled robust monitoring using Prometheus and Grafana, increasing visibility into system performance and reducing downtime through real-time alerting.

## Leadership / Extracurricular

### Technical Co-ordinator,AWS Cloud Club

- organized cloud computing workshops and led peer skill development initiatives.

### 30 Days Cloud Challenges (Linkedin)

- Completed AWS 30-Day Cloud Challenge - mastered core AWS services including EC2, S3, and Lambda.

### HackaCloud Event (GitHub)

- Selected as a finalist in college hackathon competition, where I presented innovative solutions among 25 participating teams.

## Certification

AWS Certified Cloud Partitioner(CLF-CO2)

(*AWS*)

NPTEL Programming In Java

(*NPTEL*)

Jenkins

(*KodeKloud*)