

# DHARRSAN AMARNATH

SRE/DEVOPS ENGINEER

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Degree	Institution	Years	GPA/Percentage
B.Tech CSE	Vellore Institute of Technology, India	2021-2025	3.12/4.0
High School	J.S.S Private School, Dubai	2018-2021	84.5%

## PROFESSIONAL EXPERIENCE

**DevOps Engineer Intern** | Mphasis (New York Team)

Sep 2023 - Dec 2023

- Implemented and managed end-to-end automated deployment pipelines using enterprise Jenkins, resulting in a 50% reduction in deployment time and increased operational efficiency for a Client Network.
- Utilized Ansible for containerized deployments, achieving atleast 30% increase in operational efficiency.

## TECHNICAL SKILLS

<b>Programming</b>	C++, GoLang, Python, DjangoWebFramework, YAML
<b>Cloud Native</b>	Amazon Web Services (most proficient), Linode, CIVO, Azure
<b>DevOps Tools</b>	JENKINS, SONARQUBE, TERRAFORM(IaC), DOCKER, ANSIBLE, KUBERNETES JIRA, PROMETHEUS, GRAFFANA
<b>Certifications</b>	AWS Cloud Practitioner CLF-C02 AWS Solutions Architech Associate SAA-C03

## PROJECTS

### 1. Python DJANGO Application deployment on AWS with TERRAFORM |

(Done by Sept '23)

- Led the end-to-end deployment of a Python Django application on AWS, utilizing Terraform to automate infrastructure provisioning and streamline resource allocation, resulting in a 1.5x decrease in operational costs while maintaining high system performance.

### 2. Jenkins Shared Library Project |

(Done by Oct '23)

- Developed a Jenkins Shared Library Project, optimizing CI/CD pipelines organization-wide; reduced deployment time by 2/5th and enhanced development efficiency by enabling code reusability across teams.

### 3. Kubernetes deployment on EKS |

(Done by Nov '23)

- Orchestrated Kubernetes deployment on Amazon EKS, ensuring seamless container orchestration and scaling for mission-critical applications.

### 4. Cluster and Pod/Container monitoring |

(Done by Dec '23)

- Kubernetes Cluster and Pod/Container monitoring with Grafana Prometheus using HELM CHARTS and RBAC

## POSITIONS OF RESPONSIBILITY

### CAPTAIN

March 2022 - Present

*Team Vimaanas Inc.*

- Captaining VIT's highest ranked international technical team which focuses on building R/C Aircrafts.
- The team is ranked 1st in the latest national level competition of Aerodominator held at Vellore.

### TECHNICAL SENIOR

Feb 2022 - Present

*IEEE Computer Society, VIT Vellore*

- As a technical senior at the student chapter i have initiated collegiate projects involving crucial techniques like Load Balancing.
- Coordinator at HackBattle, a 36hr hackathon. Brought in Sponsors and Guest Speakers for the event.

### STUDENT VOLUNTEER

Jan 2023 - Feb 2023

*RIVIERA'23 Pro-Shows Offstage committee*

- Riviera is India's 2nd biggest college cultural festival in which i had the opportunity to be part of the student council of ProShows, the mega 4 day concert of 15,000 footfalls.