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## EDUCATION:

### Ballari Institute of Technology and Management, Ballari

Bachelor of Engineering in Electronics and Communication Engineering

Visvesvaraya Technological University | Aug 2019 – Oct 2023 CGPA: 6.63

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### Ballari Independent PU College Allipur, Ballari

Pre University Course | Aug 2017 – Mar 2019

Percentage: 51.04%

### Chethana Vidyanikethana English Medium School, Kampli

High School | Jun 2016 – Mar 2017

Percentage: 81.76%

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## TECHNICAL EXPERTISE:

- **Version Control:** Git, Github.
- **AWS Services:** EC2, S3, DMS, IAM, VPC, RDS, Cloud Front, Route53, EKS, ECR, ECS.
- **DevOps:** Jenkins, Docker, Ansible, Terraform, Kubernetes (K8s).
- **Web Servers:** Apache Tomcat, HTTPD, Nginx.
- **Operating Systems:** Linux Distributions, Windows.
- **DataBase:** MySQL.
- **Programming Languages:** SQL.
- **Soft Skills & Real-World Practices:** Problem-solving & debugging cloud issues, Writing documentation, Understanding architecture diagrams, Communication & teamwork.

## CERTIFICATIONS:

- Introduction to DevOps – Great Learning Academy
- MySQL Basics – Great Learning Academy

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## PROJECTS:

### Jenkins CI/CD Project with Github Integration using Webhook

Aug 2023 – Nov 2023

- Implemented Jenkins pipeline to automate the process of CI/CD
- A Webhook is created that automatically trigger when changes made in code
- Used Docker to build and push image to Docker Hub.
- Tech stack: Docker, EC2-ubuntu, Jenkins, Git, Github.

### Migrating Databases with AWS DMS

Jul 2024

- Set up a MySQL database on an Ubuntu-based EC2 instance and configured it for external access.
- Created and configured an Amazon RDS MySQL instance to act as the target database.
- Designed and launched AWS DMS replication instance, source/target endpoints, and a migration task to transfer schema and data.
- Performed database migration from EC2-hosted MySQL to Amazon RDS using AWS Database Migration Service (DMS).
- Verified successful data transfer using MySQL Workbench and ensured table structure and content integrity.

### AWS Website Hosting

Oct 2023

- Used Amazon S3 for storing and serving static content.
- Configured Amazon CloudFront for global CDN distribution.
- Managed DNS and domain routing with Amazon Route 53.
- Implemented SSL/TLS certificates for secure data transmission

### IOT Based Antenna Positioning System

Aug 2022 – Apr 2023

- Engineered an IoT system to achieve precise antenna positioning for enhanced wireless communication performance.
- Incorporated multiple sensors to continuously monitor and fine-tune antenna positions, ensuring optimal signal strength and quality.
- Applied advanced data analysis techniques to process sensor inputs and dynamically adjust antenna positions in real-time.
- Executed thorough testing and validation procedures to guarantee system robustness and accuracy under diverse environmental conditions.

To whomsoever it may concern, I hereby state that the above details provided by me are true to my knowledge.

Place: K. KOTTALA, Andhra Pradesh

T. Nandeesh