

Thoshna Tarun Reddy Gadi

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EDUCATION:

• B. Tech in ECE

S V College Of Engineering • Tirupati • GPA: 8.2 • 02/2021 - 08/2024

• Intermediate

Narayana Junior College • Nellore • GPA: 9.67 • 06/2018 - 04/2020

• SSC

Ratnam High School • GPA: 9.3 • 06/2017 - 06/2018

SKILLS:

- C Language
- Python
- AWS
- Cloud Computing
- MySQL
- Microsoft Excel
- Jenkins
- Networking
- Terraform
- Docker and GitHub

CERTIFICATIONS:

• AWS Certified Cloud Practitioner

AWS Certified • **Validation:** 03/2024 - 03/2027

<https://aws.amazon.com/verification>

• Programming with Python

Internshala • 09/2022 - 10/2023

- **Cloud Computing**

NPTEL • 07/2023 - 10/2023

- **Cisco CCNAv7: introduction to Networks Cisco**

Cisco • 08/2023 - 08/2023

- **PCB Design**

APSSDC • 01/2020 - 01/2022

- **IOT**

APSSDC • 05/2021 - 06/2021

PROJECTS:

- **Streamlit CRUD Operations with MySQL:** <https://github.com/thoshna/Python-Project.git>

This project involves creating a basic application that allows users to perform CRUD operations on a dataset through a user-friendly GUI. The dataset can be anything you're interested in, such as a list of books, movies, contacts, etc.

- **Apple Disease Detection – Using Deep Learning (Academic) :**

Developed a disease detection system for apple fruits using MATLAB 2018a, integrating image processing and deep learning methods. The system includes preprocessing, filtering, segmentation, feature extraction, and CNN classification. Achieved high accuracy in disease detection, promising a valuable tool for agriculture.

- **StreamlinedCI: Automating Testing and Deployment with GitHub Actions:**

<https://github.com/thoshna/CI-CD-Pipeline.git>

"StreamlinedCI" is a comprehensive DevOps project aimed at simplifying the process of continuous integration and continuous deployment (CI/CD) for web applications. By leveraging GitHub Actions, this project automates testing and deployment tasks, ensuring seamless integration with every push to the repository. Utilizing popular frameworks like Flask or Express, coupled with robust unit testing, it ensures application reliability. The included documentation provides insights into tool selection and scaling strategies, enabling easy adaptation for larger projects.

- **AWS EKS Cluster Setup for Efficient Scalability:**

Led the setup of an AWS EKS cluster utilizing Infrastructure as Code (IaC) through CloudFormation, enabling automated scalability based on CPU usage. Orchestrated deployment of two distinct "Hello World" applications via Dockerfiles, configuring each to dynamically scale up to 3 instances under load and down to 1 instance during idle periods. Implemented detailed documentation encompassing step-by-step guides, configuration files, and load simulation methodologies to validate auto-scaling functionalities, ensuring seamless performance optimization.

ACHIEVEMENTS:

•AWS Academy Cloud Foundations

AWS Academy • 12/2023 - 01/2024

•JPMorgan Chase & Co Excel skills

Forage • 12/2023 - 01/2024

•AWS APAC's Solution Architecture

Forage • 10/2023 - 11/2023

VOLUNTEERING & LEADERSHIP:

• IETE

Student Convener • Tirupati, Andhra Pradesh • 08/2021 - 05/2024

• PACE

Student Coordinator • S.V College of Engineering • 08/2021 - 08/2023

DECLARATION:

I hereby declare that the details furnished above are true and correct.