

Karmanya Dadhich

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EXPERIENCE

CISCO SYSTEMS

Bengaluru, India

Automation Engineer(TME)

FEB 2022-Present

- Created two distinct TERRAFORM providers (one from scratch) with GO using REST API.
- Scripted automation for deploying complete network architecture on public cloud platforms (AWS, AZURE, GCP), reducing deployment time by up to 95%.
- Engineered ANSIBLE & Python scripts to automate 100% of the end-to-end configuration for Cisco's Next Generation Firewall in both Cloud and on-premises environments.
- Developed virtual learning labs for Cisco Secure Firewall deployment on Google Cloud, cutting deployment time by a Significant Margin .
- Led a team of 4 developers and QA engineers on a project with 600,000+ lines of code.

KODERS

Dehradun, India

Developer Intern

JUNE 2021- July 2021

- Automated 100% of QA using Python scripts with tools like Selenium and Puppeteer.
- Optimized the code to reduce the number of API calls, resulting in a 33% reduction in runtime.
- Worked on developing a shoe bot that pulls information from well-known websites to show the newest releases.

EDUCATION

BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE (WITH HONORS)

Dehradun, India

UPES CGPA-8.95

2018-2022

CBSE-12TH GRADE

Jodhpur, India

G.S.J Memorial School Percentage- 83%

2017-2018

PROJECTS

Plant Disease Detection - Machine Learning

- Developed a Flask Web Framework Web App in Python for Plant Disease Detection with a 95% accuracy rate.
- Users can upload crop images to identify up to 15 diseases across 3 plants.

Market Sales Analysis by Identifying Frequent Patterns - Java

- Built a program applying data mining to find frequent patterns in supermarket sales up to 200% quicker using the FP Growth algorithm.
- Assists in grouping correct items in the supermarket aisle to drive 20% more sales.

Finding Optimal Path for Pizza Delivery - C

- A C program demonstrating a practical implementation of the Travelling Salesman Problem using Dynamic Programming to find the optimal route, achieving up to 50% improvement in travel time.
- Ensured the project makes the starting and endpoint the same for better real-world practicality.

SKILLS

Languages - C++, GO, Python, BASH

Technologies - TERRAFORM, ANSIBLE, REST API, SQL

Concepts - Functional Programming, Agile, Automation

ACHIEVEMENTS

- Selected to host a solo walk-in lab on automation for **CL Melbourne 2023**.
- **Promoted** at Cisco after one year for work excellence.
- Secured **1st position** among 50+ participants in a coding competition using C++, organized by WS Cube Tech.