

Gowtham Nukala

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Professional Experience

Backend Developer | Infra Automation Project

2024 May – 2025 May

- Built REST APIs using Node.js & Express to automate cloud and network infrastructure.
- Connected to Cisco NX-OS switches via SSH tunnels using jump host (ssh2 library).
- Automated VLAN creation, interface configuration via NX-API and CLI.
- Designed PostgreSQL schemas to manage infra metadata and logs.
- Integrated secure backend workflows with frontend portal for on-demand provisioning.
- Reduced manual configuration time by 60% through full automation.

SmartInternz (Powered by Google Developers & NEAT)

2023 Jan – 2023 May

Machine Learning & Deep Learning Intern

- Built ML/DL models for voice-based Parkinson's detection using supervised learning.
- Completed real-world externship covering neural networks and deployment.

Skills

Technical Skills

Programming Languages: Python, C, JavaScript

Web Technologies: HTML, CSS, JavaScript, Node.js, Express.js, React JS(basic)

Databases: MySQL, MongoDB, PostgreSQL

CI/CD & DevOps: Git, GitHub Actions, Linux, VS Code

Networking: SSH, Jump Host, Cisco NX-OS, NX-API, VLANs

Other Skills: OOPs Concepts, SDLC.

Soft Skills: Problem Solving, Communication, Detail-Oriented, Quick Learner, Team Collaboration, Good typing speed

Education

Seshadri Rao Gudlavalleru Engineering College, India.

Bachelor of Technology in Electronic's and Communication Engineering

2020 – 2024

CGPA : 7.0

Sri Chaitanya Junior College

Intermediate (MPC)

2018 – 2020

CGPA : 8.3

Sri Chaitanya Techno School

10 Grade

2018

CGPA : 9.2

Certificates

- The Joy Of Computing Using Python - NPTEL (2023)
- Machine Learning and Deep Learning – Google Developer Program (2023)
- AWS Academy Graduate - AWS Academy Machine Learning Foundations

Languages

Telugu

English

Projects

Parkinson's Disease Detection (ML)

- Achieved 20% higher precision using ML on voice samples.
- Analyzed 1M+ records; published findings in IRJET.

E-commerce Platform

- Full-stack site with auth, cart, and payment integration.

Infra Automation Platform

- Automated provisioning of network/cloud infra via web UI.
- Used Node.js, PostgreSQL, SSH tunneling, NX-API.

AWARDS & ACHIEVEMENTS

Participated in presenting the real-time model for Moisture Controller System at V.R.

Siddhartha Engineering College, 2023.

V.R. Siddhartha Engineering college, Vijayawada

Published research on Parkinson's Disease Detection in IRJET, 2024.

2023