

# SUDHARSAN N

Cloud DevOps Engineer

+91-7305646054 | sudharsan0210@gmail.com | linkedin.com/in/sudharsan-n | Portfolio

## SUMMARY

Hardworking and motivated Cloud DevOps Engineer with expertise in **Python**, **Terraform**, and **Azure**. Experienced in automating workflows, implementing robust **CI/CD** pipelines, managing infrastructure as code, and deploying scalable cloud resources. Skilled in cross-functional collaboration and eager to contribute to building efficient, secure, and reliable cloud and DevOps solutions.

## TECHNICAL SKILLS

**Languages:** Python, Go, Java, C++

**Cloud & DevOps:** Azure, AWS, Azure DevOps, CI/CD, Terraform, Docker, GitOps

**Frameworks & Tools:** GraphQL, TensorFlow, Nginx, Azure OpenAI

**Core Skills:** OOP, Test Automation, Performance Tuning, LLM-Aided Debugging, Object-Oriented Programming

## EXPERIENCE

### Cloud DevOps Engineer

Apr 2024 – Present

HP RCB Bangalore – Perfect Print Output

Bangalore, India

- Designed and optimized CI/CD pipelines for AI-enabled print solutions, automating deployment with Terraform and GitOps on Azure.
- Engineered Apigee API proxies and hardened Nginx servers for secure, scalable delivery of Node.js frontends and orchestrator services.
- Built custom Terraform modules standardizing Azure infra, improving consistency across environments and reducing onboarding effort.
- Contributed to AI-driven Excel add-ins and personalized print driver workflows, improving efficiency and reducing print waste.

### Cloud DevOps Engineer

Jul 2022 – Mar 2024

HP Inc R&D

Bangalore, India

- Automated Terraform imports using Python, improving infra tagging for cost and audit insights.
- Built an internal API catalog using Strawberry GraphQL to streamline microservice visibility.
- Developed RCA-AI Assistant with Azure OpenAI for automated root cause analysis in support workflows.
- Enhanced CI/CD workflows to reduce deployment latency and improve environment consistency.

### DevOps Intern

Feb 2022 – Jun 2022

HP Inc R&D

Bangalore, India

- Implemented Robotic Process Automation using Python, AWS Lambda, and Power Automate, focusing on optimization of routine DevOps tasks.
- Contributed to Writing automation scripts and infrastructure workflows to streamline CI/CD processes.

## PROJECTS

### Cloud-Integrated ECG Monitoring Platform

Feb 2022 – Jun 2022

*Technologies:* NodeMCU, AWS (EC2, S3, DynamoDB), IoT Core

Designed and deployed a real-time ECG monitoring system using IoT sensors and AWS cloud services, enabling remote health data collection and monitoring.

### Biometric Authentication for Cloud Security

Aug 2021 – Dec 2021

*Technologies:* C++, JavaScript, HTML, CSS

Implemented a robust biometric authentication system for cloud-based applications, enhancing security and user experience.

### Academic Resource Hub – Full Stack Web App

Aug 2021 – Dec 2021

*Technologies:* HTML, CSS, JavaScript, Firebase

Built a centralized learning platform for students to access and manage course materials, with secure authentication and dynamic content rendering.

## Secure File Transfer System

Aug 2020 – Dec 2020

*Technologies: JavaScript, HTML, CSS*

Developed a secure file transfer system with a user-friendly front-end interface, enabling efficient and optimized encrypted file sharing.

## Advanced Persistent Threat Detection Framework

Feb 2020 – Apr 2020

*Technologies: Python*

Developed a comprehensive coding framework to detect and mitigate Advanced Persistent Threats, improving overall system security.

## EDUCATION

---

### Master of Technology in Software Systems (Specialization: Data Analytics)

2023 – 2025

*BITS Pilani*

*CGPA: 8.6*

### Bachelor of Technology in Computer Science and Engineering

2018 – 2022

*SASTRA Deemed University*

*CGPA: 8.5*

### Higher Secondary Education

2006 – 2018

*Kendriya Vidyalaya Gill Nagar*

*Class XII Percentage: 94%*

## CERTIFICATIONS & LEARNINGS

---

### Microsoft Azure by Memi Lavi

Comprehensive course covering Azure services, cloud infrastructure, and deployment strategies.

*Tech Stack: Azure, Azure DevOps*

### HashiCorp Certified: Terraform Associate 2025 by Zeal Vora

In-depth training on Terraform, including infrastructure as code, state management, and best practices.

*Tech Stack: Terraform, AWS, Docker*

### Learn How To Code: Google's Go (golang) Programming Language by Todd McLeod

29-hour course on foundational and advanced Go programming concepts, covering syntax, concurrency, and web development.

*Tech Stack: Go (Golang)*

### Google Cloud Skills Boost: Generative AI, Responsible AI, and Cloud Resource Management

Completed a set of introductory badge courses on Generative AI principles, Responsible AI practices, and cloud resource management using Google Cloud.

*Tech Stack: Google Cloud, Generative AI, Responsible AI*

### Android App Development by Internshala Trainings

Practical Android development course focused on app architecture, Java-based UI, and scalable code with emphasis on Maintaining state, Writing, and Predicting user interactions.

*Tech Stack: Android, Java*

## LEADERSHIP & COMMUNITY INVOLVEMENT

---

### Technical Program Lead – Computer Society of India (CSI), Education Directorate, National HQ

*CIT Campus IV, Taramani, Chennai*

Led tech talks, hackathons, and national events at CSI, showcasing leadership, public speaking, and event coordination.

## LANGUAGES

---

### English:

Professional Working Proficiency

### Tamil:

Native Proficiency

### Hindi:

Full Professional Proficiency

### Telugu:

Limited Working Proficiency

## OTHER SKILLS & INTERESTS

---

**Leadership:** Served as the School Pupil Leader during high school, demonstrating strong leadership and organizational skills.

**Chess:** Proficient at chess, showcasing strategic thinking and problem-solving abilities.

**Music:** Passionate about Carnatic music and skilled in playing the Mridangam, with years of practice and performances.