

# 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.

|  |                     |
|--|---------------------|
| <b>Secure File Transfer System</b>   | Aug 2020 – Dec 2020 |
| <i>Technologies: JavaScript, HTML, CSS</i>   |                     |
| Developed a secure file transfer system with a user-friendly front-end interface, enabling efficient and optimized encrypted file sharing. |                     |
| <b>Advanced Persistent Threat Detection Framework</b>  | Feb 2020 – Apr 2020 |
| <i>Technologies: Python</i>  |                     |
| Developed a comprehensive coding framework to detect and mitigate Advanced Persistent Threats, improving overall system security.          |                     |

## EDUCATION

|  |                                  |
|--|----------------------------------|
| <b>Master of Technology in Software Systems (Specialization: Data Analytics)</b> | 2023 – 2025                      |
| <i>BITS Pilani</i>   | <i>CGPA: 8.6</i>                 |
| <b>Bachelor of Technology in Computer Science and Engineering</b>                | 2018 – 2022                      |
| <i>SASTRA Deemed University</i>  | <i>CGPA: 8.5</i>                 |
| <b>Higher Secondary Education</b>  | 2006 – 2018                      |
| <i>Kendriya Vidyalaya Gill Nagar</i>   | <i>Class XII Percentage: 94%</i> |

## CERTIFICATIONS & LEARNINGS

|  |  |
|--|--|
| <b>Microsoft Azure</b> by Memi Lavi  | Comprehensive course covering Azure services, cloud infrastructure, and deployment strategies.<br><i>Tech Stack:</i> Azure, Azure DevOps   |
| <b>HashiCorp Certified: Terraform Associate 2025</b> by Zeal Vora                              | In-depth training on Terraform, including infrastructure as code, state management, and best practices.<br><i>Tech Stack:</i> Terraform, AWS, Docker   |
| <b>Learn How To Code: Google's Go (golang) Programming Language</b> by Todd McLeod             | 29-hour course on foundational and advanced Go programming concepts, covering syntax, concurrency, and web development.<br><i>Tech Stack:</i> Go (Golang)  |
| <b>Google Cloud Skills Boost: Generative AI, Responsible AI, and Cloud Resource Management</b> | Completed a set of introductory badge courses on Generative AI principles, Responsible AI practices, and cloud resource management using Google Cloud.<br><i>Tech Stack:</i> Google Cloud, Generative AI, Responsible AI |
| <b>Android App Development</b> 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.<br><i>Tech Stack:</i> Android, Java    |

## LEADERSHIP & COMMUNITY INVOLVEMENT

|   |  |
|---|--|
| <b>Technical Program Lead – Computer Society of India (CSI), Education Directorate, National HQ</b>                     |  |
| <i>CIT Campus IV, Taramani, Chennai</i>   |  |
| Led tech talks, hackathons, and national events at CSI, showcasing leadership, public speaking, and event coordination. |  |

## LANGUAGES

|   |  |
|---|--|
| <b>English:</b><br>Professional Working Proficiency | <b>Hindi:</b><br>Full Professional Proficiency |
| <b>Tamil:</b><br>Native Proficiency                 | <b>Telugu:</b><br>Limited Working Proficiency  |

## OTHER SKILLS & INTERESTS

|   |
|---|
| <b>Leadership:</b> Served as the School Pupil Leader during high school, demonstrating strong leadership and organizational skills. |
| <b>Chess:</b> Proficient at chess, showcasing strategic thinking and problem-solving abilities.                                     |
| <b>Music:</b> Passionate about Carnatic music and skilled in playing the Mridangam, with years of practice and performances.        |