

Nithishkumar K

Tamil Nadu, India | +91 6383143107 | nithishdev29@gmail.com | <https://github.com/NITHISHKUMAR-IT> | <https://www.linkedin.com/in/nithishkumar-k-072726388>

SUMMARY

Final-year B.Tech Information Technology student with a strong interest in Cloud Computing, AWS, and DevOps. Experienced in building hands-on, production-inspired AWS projects involving networking, compute, storage, security, automation, and high-availability architectures. Skilled in Linux, Docker, Infrastructure as Code, and Python fundamentals, with a continuous learning mindset and a focus on solving real-world cloud infrastructure challenges. Currently seeking Cloud/AWS Internship or Entry-Level Cloud Engineer opportunities.

EDUCATION

Mahendra Engineering College

Bachelor of Technology (B.Tech) – Information Technology, CGPA: 7.75 / 10

2023 – September 2027

PROJECTS

Highly Available 3-Tier Web Application on AWS (In Progress)

- Designed a production-inspired three-tier AWS architecture using a custom VPC across multiple Availability Zones.
- Implemented Application Load Balancer, Auto Scaling, EC2, Amazon RDS, IAM, and CloudWatch for scalability, availability, and monitoring.
- Applied cloud networking, security best practices, and infrastructure design principles.

Static Website Hosting on Amazon S3

- Hosted a static website using Amazon S3 Static Website Hosting.
- Configured bucket permissions and public access settings.
- Gained practical experience with AWS storage and website hosting.

Web Application Deployment on Amazon EC2

- Launched and configured an EC2 instance running Linux.
- Configured Security Groups and deployed a web application.
- Learned Linux server administration and secure remote access.

Infrastructure as Code using AWS CloudFormation

- Automated AWS resource provisioning using YAML-based CloudFormation templates.
- Created reusable infrastructure templates for consistent deployments.
- Practiced Infrastructure as Code (IaC) concepts and stack management.

Containerized Website Deployment using Docker

- Containerized a web application using Docker and served it through Nginx.
- Worked with Docker images, containers, networking, and deployment fundamentals.

TECHNICAL SKILLS

Cloud & AWS: AWS IAM, EC2, VPC, Security Groups, Application Load Balancer (ALB), Auto Scaling, Amazon S3, Amazon EBS, Amazon EFS, Amazon RDS, DynamoDB, CloudWatch, CloudFormation, Route 53, AWS CLI

Programming: Python, SQL

Databases: MySQL, PostgreSQL, Amazon RDS, DynamoDB

Operating Systems & Tools: Linux, Docker, Git, GitHub, Nginx, Visual Studio Code, Draw.io, YAML

CERTIFICATIONS

NPTEL – Human Computer Interaction (Elite + Gold)

AWS Cloud Quest: Cloud Practitioner

AWS SimuLearn: Cloud Practitioner

AWS Skill Builder Learning Achievements

Google Cloud Skills Boost (In Progress)

ACHIEVEMENTS

- Built multiple hands-on AWS cloud projects covering compute, networking, storage, automation, and security.
- Continuously expanding cloud engineering skills through practical implementation and technical documentation.
- Strong interest in designing scalable, secure, and production-ready cloud solutions.

CAREER OBJECTIVE

To begin my career as a Cloud Engineer by contributing to real-world cloud infrastructure projects while continuously improving my expertise in AWS, DevOps, automation, and cloud architecture through practical learning and hands-on experience.