

Shreeyasmita Patro

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Professional Summary

Entry-level DevOps Engineer with hands-on experience in AWS cloud services, Docker-based application deployment, and monitoring solutions. Skilled in leveraging automation tools to streamline workflows and improve system reliability. Demonstrated ability to work on projects involving containerization, cloud deployment, and performance monitoring, with a strong eagerness to expand expertise in CI/CD pipelines, Kubernetes, and infrastructure as code. Passionate about building scalable, secure, and efficient systems while continuously learning and contributing to team success.

Education

NIST University

Aug 2024 – Present

Btech in computer Science and Engineering

- GPA: 8.5/10

Academic Project

Inventory Management System using SQL

- Designed an Inventory Management System using SQL to manage products, track sales, and generate stock and revenue reports with normalized tables and relational constraints

Contact Book Application

- Built a console-based contact management app to add, search, edit, and delete contacts (name, phone, email) using Python.

console-based Password Manager

2025

- Designed to allow users to add, view, and retrieve login credentials for various services.

Weather Monitoring Application

2024

- Stimulates a simple Weather Forecasting (System that allows users to view randomly generated weather data for selected cities, Implemented structures,arrays and control structures.)

Technical Skills

Cloud Platforms: AWS (EC2, S3, IAM, Cloud watch, Lambda, EKS)

Dev-Ops and Containerization: GIT, GitHub, Docker, DockerHub, CI/CD Basics

Programming Language: C, C++, Python, Java

Scripting: Shell, Bash

Database: SQL

Monitoring: CloudWatch

Operating System: Windows, Linux(Ubuntu)

Internship

Cloud Technology Intern

Aug 2025 – Sep 2025

CODTECH || Remote

- Cloud Storage Setup: Configured AWS S3 Cloud Storage buckets with access control and sample file uploads.
- Cloud Monitoring: Implemented monitoring tools to track cloud resource usage and performance.
- Multi-Cloud Architecture: Designed interoperable architecture across AWS and GCP; documented and demoed

cross-platform integration.

- Cloud Security Implementation: Applied IAM policies, secured storage, and enabled data encryption; delivered a detailed security report.
- Version Control and Documentation: Maintained all code and configuration files in GitHub with clear commenting and documentation.

Courses

- Cisco Networking: C Programming — Completed [2025]
- DSA, Python (Basics), Design Thinking – [Institute], 2024–2025
- SQL (Basics), GIT Training – Simple Learn, 2025

Achievements

Smart Waste Collection System

Hackathon 2nd Place | Jan 2026

- Developed AI dashboard with waste prediction, route optimization (Dijkstra), and citizen portal; cut simulated costs 30%
- Built React frontend + Python/SQL backend integrated with IoT sensors; deployed on AWS CloudWatch.

Extracurricular

Core Member of Cloud Computing Club at National Institute of Science and Technology Co-organised over 10 workshops and events on the NIST campus, engaging over 100 students.