

# Sayandeep Dey

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<https://github.com/Sayandeep06>

## TECHNICAL SKILLS

Languages: *Python, Terraform, Bash, Java(basics), SQL*

Tech Stack: *Amazon Web Services, Docker, Linux, Kubernetes, Git and Github, Jenkins, VS Code, Vlm, NoSQL*

## PROJECTS

- NetflixClone deployment using DevSecOps** | *AWS, Docker, Kubernetes, Prometheus, Grafana, Trivy* December 2023
- Implemented an end to end CI/CD pipeline using Jenkins
  - Built a robust, secure, and scalable Netflix Clone deployment using Docker and Kubernetes
  - Implemented Trivy and SonarQube for a robust defense against vulnerabilities and code quality issues.
  - Secured it with SonarCube and Trivy, Monitoring done with Prometheus and Grafana.
- Cloud Native resource monitoring app** | *Python, Docker, EKS, ECR, AWS* November 2023
- Designed the application using Python Flask and integrated the psutil library for local resource monitoring.
  - Utilized Docker for containerizationEmployed Amazon ECR for container image storage.
  - Orchestrated deployment on Amazon EKS, configuring and managing Kubernetes clusters seamlessly. Automated ECR creation and Docker image push using Boto3, enhancing efficiency and scalability.
- Web app on AWS using Terraform** | *Terraform, VPC, IG, EC2, S3, ALB* October 2023
- Created the infrastructure for the web app that includes a Virtual Private Cloud (VPC), two subnets in different availability zones,
  - Also an Internet Gateway, a Route Table, a SecurityGroup
  - Provisioned an S3 bucket, two EC2 instances, and an Application Load Balancer (ALB).
- Portfolio Website** | *HTML, CSS, JS* Feb 2024
- Created a Portfolio website for my developer portfolio and contact info  
<https://Sayandeep06.github.io>
  - Hosted the site via Github Pages

## EXPERIENCE

- Zscaler Zero Trust Cloud Security** Sept 2023 – Nov 2023  
*Zscaler College Station, TX*
- 10 weeks of Virtual Internship from Zscaler
  - Learned about Zero Trust Architecture and the principle of least privilege in cloud native security models
  - Reduced risk of breach and secured connections to cloud resources

## EDUCATION

- Techno India University** Kolkata, WB  
*Bachelor of Technology in Computer Science specializing in AI*  
CGPA 8.5 Aug. 2021 – May 2025
- Krishnanagar Academy** Krishnanagar, WB  
*ISC 90%, ICSE 94%*

## AWARDS

*Google IT automation with Python (6 months), AWS SAA C03 prep by Stephane Mareek,  
AWS Knowledge: Architecting*