# Sayandeep Dey

Aspiring DevOps engineer looking for DevOps and Cloud opportunities

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## PROJECTS

### Deploying a Netflix clone on AWS using Jenkins—

Implemented an end to end CI/CD pipeline, built a robust, secure, and scalable Netflix Clone deployment, embracing the power of AWS, Jenkins, Docker, Kubernetes, and continuous monitoring. Secured it with SonarCube and Trivy, Monitoring done with Prometheus and Graphana.

### Cloud Native Resouce monitoring Python app-using EKS, ECR, AWS cli

Developed a Python Flask application using psutil for local resource monitoring, containerized with Docker, pushing the image to Amazon ECR. Set up an EKS cluster and deployed the app using Python Kubernetes API. Automated ECR creation and Docker image push with Boto3.

### Web app on AWS using Terraform-

The infrastructure includes a Virtual Private Cloud (VPC), two subnets in different availability zones, an Internet Gateway, a Route Table, a Security Group, an S3 bucket, two EC2 instances, and an Application Load Balancer (ALB).

## EDUCATION

### Bachelor of Technology in Computer Science and Artificial Intelligence, Techno India University

Sept 2021- Sept 2025

CGPA: 8.5

### Krishnagar Academy, Krishnanagar,WB — *ISC,ICSE*

2018 -2020

Scored 90 percent in ISC examination 2020

Ranked 1st in class overall in ISCE

Scored 94 percent in ICSE examination 2018

## SKILLS

Kubernetes
AWS
Terraform
Ansible
Docker
Linux
Git and Github
Bash and Python
Jenkins

## AWARDS

Semi Finalists at SIH 2023 :

Worked on the API and Backend of our AI image detection software on AWS

IT automation with Python on Coursera

AWS SAA C03 prep course on Udemy

## LANGUAGES

English, Bengali, Hindi

## CODE EDITORS

Visual Studio Code, VIM, AWS Cloud9, Replit