**Internship summary (15 FEB - 16 MARCH)**

**AWS**

* IAM, user, user group, and policies
* Installed AWS CLI
* Attached IAM role to ec2
* VPC Peering connection
* More knowledge of VPC
* EC2 solution architect level
  + Placement Group
  + Elastic network interface (ENI)
  + Elastic IP
  + Instance Hibernation
* Instance storage
  + EBS
  + EFS
  + EBS multi-attach
* AWS resource explorer
* Tag editor
* Load balancer:
  + Application load balancer
    - Path-based routing
  + Network load balancer
  + Gateway load balancer
  + Sticky session
  + Cross-zone-based load balancing
* Autoscaling group
* AWS RDS
* AWS Aurora
* SSL/TLS certificate
* Route 53

**Project**

1. Creating EC2 with user data and creating AMI and launching that AMI
2. Created a continuous integration and continuous deployment pipeline of a web application using AWS code commit, code build, and code deploy

**Task**

1. Reduce the size of EBS volume (tried different methodology)
2. Run same Jenkins in the new server with same configuration and jobs
3. Redirected EC2 instance public IP to DNS using route 53