



# SHIVAM DHOUNDIYAL

## ASPIRING CLOUD ENGINEER

### CONTACT INFO

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### CAREER OBJECTIVE

Focused on acquiring in-depth skills and expertise in cloud and devops tools to provide cloud based solutions with a strong focus on security, productivity and customer experience with a goal to build a career as a certified cloud architect.

### IT SKILLS

#### Programming Languages

- C /C++
- CoreJava
- C3
- Python
- R

#### Database

- Oracle
- MS Access
- SQL
- SQLite

#### Operating System

- Windows
- Linux

#### Web Technologies

- HTML5
- Java Script
- CSS
- PHP
- Bootstrap
- ASP.NET
- MVC

#### Other Tools

- Docker
- Kubernetes
- AWS Management Console
- VMWare
- Tableau
- Jupyter
- PacketTracer
- MATLAB
- GitHub

### KEY SKILLS ACQUIRED

#### CLOUD COMPUTING

##### ENVIRONMENT - AWS MANAGEMENT CONSOLE

Trained in designing and building multi-tier web architectures for different use cases concentrating on delivering high availability,scalability,cost efficiency and low latency with cloud services such as Amazon EC2 Auto Scaling, Amazon Elastic Load Balancing (ELB), Elastic container service (ECS), AWS Route 53, AWS Lambda, Amazon API Gateway and Amazon Elastic File System (EFS).

- Learnt to configure VPC and create subnets which deploy EC2 Instances inside security groups with proper routing tables and integration of Amazon block and file storage services(S3&EFS) and IAM authentication roles for monitoring/permissioning accessibility to different users. .
- Trained in developing templates which describes desired resources and their dependencies with AWS CloudFormation, set up a PaaS with AWS Elastic Beanstalk module, and configured Amazon S3 bucket policies inturn shared data between multiple AWS accounts.
- Learnt to create Docker container clusters on Amazon Elastic Container Services (ECS) and set up serverless event-driven AWS Lambda Functions with Amazon API Gateway, Amazon Kinesis integrations, and geographically redundant database services with Amazon Relational Database Service (RDS).
- Developed deeper understanding of application integration services including AWS Step Functions, Amazon MQ, SNS, SWF and SQS and how it helps in defining clients architecture solutions.

#### DEVELOPMENT AND OPERATIONS (DevOps)

##### ENVIRONMENT- Docker , Swarm , Kubernetes

Completed hands-on training labs on docker engine,swarm and Kubernetes which helped me develop greater apprehension of the concept of containerization and how it has made development and operation of software ecosystems cost efficient and simpler for suiting business goals.

- Created containers manually through command line also editing web code on the machine while it's served up in a container.
- Architected a 3-node Swarm cluster in the cloud using Virtual IP's for built-in load balancing inside the cluster.
- Drafted Dockerfiles ,Compose files for fast deployment.
- Built own custom application images with the help of github and docker registry.
- Built multi-node Swarm clusters and deployed H/A containers also integrating Swarm Secrets to encrypt environment configs.

## ACADEMIC HISTORY

### LPU , JALANDHAR

Bachelors of Computer Science Technology | 2013-2020

- Completed graduation degree in computer science engineering

### ST JUDE'S SCHOOL , DEHRADUN

Council for Indian School Certificate (ISC) | 2013 | 63.42%

### CONVENT OF JESUS & MARY , MUSSORIE

Indian Certificate for Secondary Education (ICSE) | 2011 | 85.4%

## INTER PERSONAL SKILLS

- Critical thinker
- Problem solver
- Strong communicator
- Flexible
- Team player

## TRAINING

- Successfully completed hands-on Training for the AWS Certified Solutions Architect Associate from Udemy.  
<https://bit.ly/3hsNNDv>
- Completed Docker Mastery: with Kubernetes +Swarm from a Docker Captain from Udemy.  
<https://bit.ly/3tvuOdF>
- Completed an online Data science bootcamp from Udemy.  
<https://bit.ly/3hoSggT>
- Completed an online Python and Flask Bootcamp from Udemy.  
<https://bit.ly/3bdkkj9>
- Completed MTA summer training program in CoreJava.

- Worked on Kubernetes - a leading server cluster tool and understanding how it differs from Swarm.
- Deployed and scaled a containerized application on a cluster. Also updated the deployed containerized application with a new software version.
- Secured keys, TLS certificates, and passwords with encrypted secrets.
- Protected important persistent data in volumes and bind mounts.

### FLASK E-COMMERCE WEBSITE

Designed an e-commerce (vegetable/fruits) online ordering website by using Bootstrap on a Flask framework and SQLite. Added modules to the website included role-based authentication, data-tables, validations, authorization using external API, maps, bulk email sending, enforcing security constraints, charts and enforcing booking constraints.

### DATA VISUALIZATION FOR TOURISM IN DEHRADUN

Performed data visualization using D3 , Javascript and Tableau. Used data sets from travel agencies databases sites and performed data cleaning and wrangling using Microsoft Excel and Tableau for 3 open datasets. With this project my objective was to provide insights about how state tourism is affecting the economic growth in India by focusing on the different industry types. Also, it involved insights on the employment effect due to tourism in India.

## EXTRA CURRICULAR

- Participated in the National Literary Fest at Lovely Professional University 2016.
- An active member of PAHAL- an initiation(Student Organisation)social community of like minded individuals committed to the goal of social wellbeing of the society
- Part of the winning team several times in Inter Department football tournament held yearly at the university.
- Volunteered for the organizing committee for several national and international conferences held at lovely professional university named as follows :
  - GEIS -International conference on global emerging innovations solutions.
  - ICOEST- International conference on energy efficiency and energy storage technologies.
  - RTBS - National conference in recent trends in biomedical sciences
- Participated in Debates and Declamation at school level.
- Proficient in Badminton,Hockey and Shotput at school level.