# SYAM CHITLURI

## DEVOPS ENGINEER

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## EDUCATION

**Portland State University**                                                                                   **Sep 2022 – Mar 2024**
Master of Science – Computer Science – CGPA: 3.8

**GITAM Deemed to be university**
**Visakhapatnam, Andhra Pradesh, India**                                                   **Jun 2016 – Jun 2020**
Bachelor of Technology – Computer Science and Engineering – CGPA: 7.89

## SKILLS

**Programming Languages** – Java SE, Python, HTML, CSS, Bootstrap
**Technical** – Linux, Computer Networking, Operating Systems, Shell Scripting
**Tools & Technologies** – Openshift, Kubernetes, Docker, Terraform, Amazon Web Services (AWS), Microsoft Azure, Helm Charts

## CERTIFICATIONS

**CKA**
Certified Kubernetes Administrator
**AZ-900**
Microsoft Certified Azure Fundamentals
**Core Java, Basics of Spring MVC, Spring Boot Microservices**
By Accenture Solutions Pvt. Ltd.
**Python Basics workshop**
Conducted by Andhra Pradesh State Skill Development Corporation (APSSDC) at our college.

## WORK EXPERIENCE

**Accenture Solutions Pvt. Ltd, Bangalore, India**
Project: myWizardDevOps
Research & develop the myWizard Platform
myWizard is a Paas product provides one stop shop solution which allows client to select different devops tools and microservices.

**Software Engineer, Accenture Solutions Pvt. Ltd., Bangalore**                     **Dec 2021 – Sep 2022**

- Re-architected the existing way of deploying the Platform and automated the entire deployment on kubernetes using helm charts by using the automation scripts to deliver a robust platform.
- Worked on Designing architecture application workflow for Red Hat Openshift on various clouds like Azure, AWS.
- Proficient in writing Helm Charts, Kubernetes yaml files for deployment of microservices into Kubernetes clusters.
- Deployed platform on various kubernetes environments like KOPS, AKS and EKS.
- Created and maintained highly scalable fault tolerant multi-tier AWS/Azure environments spanning across multiple availability zones using terraform.
- Modularized the terraform code to automate the provisioning of various Cloud resources.

- Created Jenkins workflow to automate the environment readiness process across different environments.
- Configured the cluster autoscaler for OpenShift Cluster based on the cluster utilization.
- Configured Grafana, Prometheus for monitoring the platform in different kubernetes environments like KOPS, AKS and EKS.
- Gained good experience in interaction with the End Users, Business Owners, Product owners and Consultants for finalization of functional and technical specifications
- Recognized **Care Deeply For all our People** for providing a Knowledge Transfer session for new joiners.

**Associate Software Engineer, Accenture Solutions Pvt. Ltd, Bangalore**          **Aug 2020 – Nov 2021**

- Attended Green field training in Core and Advanced Java and completed mandatory trainings within stipulated time.
- Developed a demo application using Model-View-Controller (MVC) architecture and the Spring MVC framework.
- Used innovative methodologies to better analyze the requirements and documented technical specification for assigned development tasks.
- Worked on writing the new Docker File's for various DevOps tools by customizing the open-source images and built images using docker/podman/kaniko.
- Deployed and tested the customized docker images in various container orchestration tools like kubernetes, OpenShift.
- Configured skopeo to copy images from one cloud registry to another.
- Maintained the demo platform which is hosted on kubernetes for client demos.
- Rewarded as **Client Value Creation** award for client implementation.

**Tarantula Global**          **May 2019**

Summer Internship on Redcube Implementation with MS SQL Server.

## PROJECTS

**Train Ticket Booking System** - **(CRUD Operations) [Mini Project]** - **Accenture Solutions Pvt Ltd.**

**LOSSLESS AND REVERSIBLE DATA HIDING IN ENCRYPTED IMAGES WITH PUBLIC KEY CRYPTOGRAPHY-**
**[Final Year Project]**

This project is about extracting data from an encrypted image, and an authorized receiver can recover the original plain text and the embedded data from an image. This technique is termed Reversible Data Hiding in Encrypted Images (RDHEI).

**ONLINE SHOPPING WEBSITE [Academic Project]**

A simple online shopping website for purchasing different products through online.

## EXTRA CURRICULAR ACTIVITIES

Member of National Service Scheme (NSS) and CSI (Computer Society of India) student chapter.

Volunteered and organized many events conducted by IEEE and CSI Student Chapters of Gitam University.