**SRIKAVYA PENDIALA**

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**Career objective:**

To work on challenging assignments in a progressive organization that would leverage my technical experience to the full potential and align my growth of the organization.

**Educational Qualification:**

**Degree:** Bachelor’s in Electronics and Communication Engineering

**Institution:** Sri Indu College of Engineering & Technology

**Grade:** A- (79.8%)

**Graduation Year:** May 2019

**Certifications:**

**Certification Level:** AWS Solution Architect (Associate)

**Issue Date:** Jan 2020

**Expiration Date:** Jan 2023

**Certification:** PH125.1x: Data Science: R Basics

**Issue Date:** June 2020

**Certification:** PH125.8x: Data Science: Machine Learning

**Issue Date:** June 2020

**Technical Skills:**

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| --- | --- |
| **Operating Systems** | Windows 2003/2008/XP , Linux |
| **Languages** | C, Python, Perl, Core Java |
| **Configuration Management** | Ansible, Chef |
| **Devops Tools** | Maven, Docker |
| **Version Controls** | GitHub |
| **CI/CD** | Jenkins |
| **Cloud**  | Amazon Web Services  |
| **Data Science**  | R Basics  |
| **Data Science**  | Machine Learning |

**Internship Details:**

**Organization:** Defense Research and Development Laboratory

**Project Title:** Design of Matched filters in Radars

**Duration:** May 2018 - June 2018

**Location:** Hyderabad.

**AWS Solutions Architect-Associate:**

**Responsibilities:**

* Understanding the needs of the company for defining system specifications.
* Planning and designing the technology solution structure.
* Providing assistance when technical problem arise.
* Addressing the technical concerns, suggestions and ideas.
* Designing and deploying dynamic scalable, available fault-tolerant ,and reliable applications on the cloud.
* Selecting appropriate cloud services to design and deploy an application based on the given requirements.
* Migrating complex ,multi-tier applications on cloud platforms.
* Implementing cost control strategies.
* Designing, building, maintaining, and securing AWS Resources for high availability and production level systems and services.
* Knowledge of monitoring, logging and cost management tools that integrate with AWS.
* Responsible for launching EC2 Instances using Amazon Web Services (Linux) and Configuring launched instances with respect to specific applications and regions. Installed applications on AWS EC2 instances and configured the storage on S3 buckets.
* Responsible for S3 buckets creation policies and IAM role based policies. Build servers using AWS,Importing Volumes, launching EC2, RDS, creating security groups, autoscaling load balancers (ELB’s) in the defined virtual private connection.
* Responsible for creating monitors, alarms and notifications for EC2 hosts using Cloud Watch , involved in the migration and implementation of multiple applications from on premise to cloud using AWS services like SMS, DBMS, Cloud Formation ,S3, Route53 Glacier ,EC2, RDS, SQS, SNS, Lambda, Kinesis, and VPC.
* Responsible for building servers using AWS and launching EC2, RDS, creating security groups , autoscaling , load balancers in the defined virtual private connection.
* Build and configure a virtual data centre in the Amazon Web Services Cloud to support Enterprise data Warehouse Hosting including VPC Public and Private subnets, security groups ,Route tables, Elastic load balancer.
* The configuration of Continuous Integration and Continuous Delivery using Code Pipeline and Code Deploy for Automation.
* Created user Accounts ,Roles and granting required access permissions and privileges to the users.
* Developed various Bash,Shell Scripts for Automation.

**Academic Projects:**

**Mini Project:** Self Balancing Robot.

**Duration:** November 2018 - December 2018

**Environment:** Embedded C

**Description:** To Demonstrate the methods and techniques involved in balancing an unstable robotic platform on two wheels.

**Major Project:** IOT Based Drone for Implementing of Crop Quality in Agricultural Field.

**Duration:** February 2019 - March 2019

**Environment:** Embedded C

**Description:** The Drone is Automatically programmed and remotely controlled and categorized as network robotic technologies.Agricultural Drones are a class of unmanned aerial Vechile (UAV). They can also be automated for routine assessments, negating entirely the need for human operation. In addition to crop land ,drones are also deployed to monitor aquaculture and forests, as well as poultry, cattle, and other livestock.