**Pavan Varma Manthena**

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**Education** 2014 – 2018

**Chaitanya Bharathi Institute of Technology** – **B.E in Information Technology**

* GPA 8.6/10.
* Coursework: Operating Systems, Networking, Database Management Systems, Data Mining, Programming.
* Conducted research on privacy preserving Data Mining.

**Work Experience**

**Business Technology Analyst/AWS Cloud Architect** – **Deloitte USI Consulting, Hyderabad** 08/2018 – Present

* Act as the liaison between business group representatives and system development personnel during development efforts.
* Partners with business group representatives to learn and understand their business operations.
* Migration of entire application and database stack from on-prem to AWS.
* Migration of oracle databases from on-premise to AWS RDS using Data Migration Services as well as using S3 as a staging area and cross vendor database migration using Schema conversion tools.
* Deployment of AWS infrastructure involving EC2, ELB, VPCs, Subnets, Security groups, IAM, Route Tables, VPN tunnels, RDS, NAT gateways, Bastion hosts.
* Configured cross account VPC peering to establish a connection between EC2 instances and databases in different accounts.
* Limited hands-on experience with Cognito, Active Directory, Open VPN and Aws Trusted advisor.
* Installation, Configuration, applying patches and Administration of Oracle and MySQL databases.
* Project experience on applying Oracle Data Redaction to redact/mask PHI/PII data.
* Configured auditing triggers on database to keep track of DDL activities of various users.
* Configured RMAN scripts to take regular backups, store them in S3 buckets and use S3 lifecycle policies to push them to Glacier.
* Ansible scripting for applying patches, configuring and monitoring databases.

**Intern as a Data Analyst - Zetagile Info Solutions** 05/2017-07/2017

* Worked on Pandas and Numpy Frameworks in Python for data cleansing and transformations

**Skills**

* AWS, Ansible, Docker, Kubernetes, Oracle database administration, SQL, Linux.
* Strong communication, presentation and business and technical writing skills.

**Personal Projects**

* **Migration of Databases from On-premise instances to AWS RDS using S3** – Created an automated workflow of taking exports from on-premise and pushing them to S3 using AWS CLI and then importing them into RDS instances.
* **Analyzing logs using ELK stack setup** – Working on a proof of concept to store the logs from various AWS resources such as EC2, RDS in S3 and analyze them using Elastic-search and visualizing them using Kibana to point out the bottlenecks and errors in real time and act immediately to resolve the issues.
* **Handwritten digit recognition -** Developed a model to recognize handwritten digits using logistic Regression and sigmoid functions in Octave.

**Achievements**

* **Applause award** – Achieved Applause award from client for proposing and successful completion of cross vendor database migration.
* **Spot Award -** Achieved spot award for internal cloud initiatives

**Certifications**

* AWS Certified Solutions Architect - Associate
* Oracle Database SQL Certified Associate

**Trainings**

* Docker/Docker Swarm and Kubernetes Hands-on Training
* Ansible Essentials
* Oracle Database Administration
* AWS Cloud Essentials

**Positions of Responsibility**

* Secretary and Publicity in-charge for CBIT open source community club.
* SPOC for internal team initiatives, solutions and events in Deloitte.

**Language Skills**

* Telugu - Native
* English - Fluent in Business
* Spanish - Elementary proficiency

**INTERESTS**

* Reading Tech blogs and knowing about tech company acquisitions.
* Stocks and shares
* Learning & Working on new software tools.