

Narmada Kadiyala

AWS Certified Solution Architect – Associate ( AWS-SAA)

AWS Certified Developer Associate – (AWS-DVA)

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Location Preference: Hyderabad, Ready to travel abroad.

**Professional - Over 10+ years of Experience**

**AWS Certified Solution Architect & Devops Engineer with strong Linux experience with middleware technologies**

**Project Management (Architecting , Implementation, Support, Upgrade & Maintenance, Preparing RFPs)**

** PROFILE SUMMARY**

**Currently associated with Accenture, as AWS Solution Architect, Developer & Devops Engineer**

Having 10+ years of combined experience on IBM Middleware technologies,Amazon Web Services (AWS) and Devops tools. Willing to attain a Solution Architect assignment with a multinational organisation in I.T. /Telecom/HealthCare/Service sectors and leveraging strong Technical and business skills where I can utilize my knowledge and experience for achieving the goals and targets of the organization. I have worked on architectures and worked on different environments and provided optimized solutions to the clients for solving business problems.

Excellence in **Design,Development,Integration,On-Premises to Cloud Migration, Installation, Maintenance, Upgrade, Patching, shell scripting, Cloudformation, React.JS,Node.JS, Express.JS, MongoDB, Oracle, DynamoDB, Python, Golang and all other Devops best Practices like Packer, Terraform, Ansible,Jenkins, Github actions, git, Bitbucket, Jfrog, Sonarqube,Docker, Kubernetes, ECS,EKS, ELK** (ElasticSearch, Logstash, Kibana), **Elastic BeanStalk& ServiceNow .**

**JOB PROFILE & KEY COMPETENCIES**

**AWS Cloud Skills**

* Worked on many AWS services like Service Catalog, AWS Organizations, Tag policies, Service control policies, AWS Inspector,Event Bridge, ECS, EKS,IAM, VPC, EC2, ELB, NLB, ALB, S3, SNS, CloudFront, RDS, Route 53, CloudWatch,Glue, Redshift, stepfunctions and worked on Forgrock security IAM application migration to AWS EKS cluster etc.
* Expertise in creating Cloud based application using technologies like CloudFormation, Lambda,System Manager, SES Pinpoint, API Gateway, LEX and Connect, DynamoDB, SMAL 2.0, SSL, AD connector for SSO, EFS, Cloud Trail.
* Expertise on On-Premises to Cloud migration, Cloud to Cloud migration using AWS DMS (Data Migration Service). Off-shore SME for DMS Automation using CloudFormation. Worked on creation of RFPs.
* SME on Patch manager automation for maintenance windows with AWS system manager. Having strong experience on windows, Linux, Centos, Ubuntu servers administarion and maintenance with networking.
* Worked on AWS tagging guide lines. Worked on reactive and proactive automations using AWS Config.
* Strong experience on Amazon contact center as a solution using AWS connect and building the chatbots using AWS LEX. Worked on many POCs to bring the business, created Complex connect flows and provided the RFPs.
* Developed Softphone application for AWS connect using JavaScript, Streams API, Oracle.
* Worked on AWS integration with Splunk and Elastic search with Kibana dashboard tools.
* Expertise on automation of service catalog items like EC2, S3 with different access permissions, NLB, ELB,ALB,RDS, Lambda, ECS, IAM, ElasticBeanStalk, EMR, codepipeline services.
* Expertise on automation of NLB with autoscaling using CloudFormation nested stacks.
* Worked on automation for AWS inspector to get the vulnerabilities report after creating the AMIs.
* Worked on AWS secret manager and system manager Parameter store for security best practices and encryption using KMS.
* Launched and configured Amazon RDS for MySQL, Oracle, Postgresql and MongoDB.
* Creating/Managing DNS records on Amazon Route 53, Creating AWS Instances and Resources Bills.
* Worked on automation for centralizing cloudwatch logs to S3 and generating the report using Kibana dashboard.
* Preparing the project plans and schedule, assigning the project tasks to other team members.
* Worked on Providing estimations, work plan reports, generating weekly, monthly status reports.

**Devops Skills**

* Expertise on AWS AMIs creation with Hashi Corp Packer.
* Worked on Github actions work flow automation& AWS native code pipeline CI/CD for AMIs creation.
* Good work experience of IAAS technologies like Terraform, CloudFormation.
* Experience of Configuration management tools like Ansible.
* Experience on Virtualization /containerization using Docker and Kubernetes, ECS & EKS.
* Worked on building the images using docker for different ForgeRock components without network connection.
* Worked on Blue/Green deployment on EKS cluster.
* Worked on helm charts on EKS cluster using Golang.
* Expertise on application deployment on EKS cluster.
* worked on EKS for deploying and maintaining ForgeRock components in DEV & QA environment using helm chats in EKS cluster. Worked on Ingress & DNS for EKS.
* Strong work experience on Jenkins, git, bitbucket, SonarQube.
* Worked on Jfrog and shift-left for code scan.
* Strong work experience on IBM WebSphere Application Server, WebSphere MQ, IBM IIS, webservers like Apache, NGINX, HAProxy.
* Worked on different dashboard tools like Splunk, Kibana & Tableau.
* Worked on ServiceNow Integration with AWS.

**IBM Middleware Technologies Skills**

* Experience in Installation, Administration, Configuration, and Clustering of IBM’s Web Sphere Application Server, MQ server and IIS.
* SME on Integration of SAP PO servers with IBM Message queue servers. Worked many automations.
* Expertise on migrating On-Premise Message queues servers, SAP PO servers data center migration to AWS cloud.
* Experience in Installation of IBM HTTP Server on various operating systems.
* Experience in configuration of cells, nodes, clusters, application servers, virtual hosts and configuring plug-ins.
* Configured Websphere resources like JDBC providers, data sources, JMS Providers.
* Experience in configuring and administering Connection pools for JDBC connections.
* Good at trouble shooting using Traces, Logs and Log Analyzer.
* Configured MQ series queue managers, objects, queues, channels and clustering.
* Enabled triggering on MQ queues and channels.
* Experienced in setting up WebSphere MQ distributed queuing environment.
* Worked with the JMS applications to interact with MQ.
* Implemented the clustering of queue managers to achieve work load balancing and to reduce system administration.
* Installed the fix packs for both MQ and WAS.
* Experience in cold restart of queue managers.
* Experience in SSL set up and renewal certificates of SSL.
* Worked with the IBM support in opening the PMR’s and resolving them.
* Proven track record of delivering within client SLAs.
* Experience in operational 24/7 support, best practice trouble shooting, monitoring, and maintenance.

**Summary of Skills:**

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| * Cloud : AWS-EC2, S3, ECS, EKS,Lambda, VPC, SNS, IAM, cloud trail, Cloud Watch, Route53, CloudFront, Load-balancers, KMS, ElasticBeanstalk, Connect, LEX,Inspector,Service Catalog, EFS, Tagging, Event manager, Image builder, Secret manager, DMS, System manager, Step functions, Patch manager, API Gateway, Cognito, Kinesis streams, MS AD and Forgrock security servers. * Virtualization /containerization : Docker, Kubernetes, helm charts, openshift * Configuration mgmt : Ansible * Infra-as-code : Terraform, Cloud-Formation & Packer * CI/CD : Jenkins, Githubactions, Rundeck, AWS Code Pipeline * Monitoring : Kibana, Grafana, Splunk, QuickSight, datadog * Database : Oracle,RDS( MySQL),Redshift, GLUE, MongoDB, Dynamo DB * App server/web server : Tomcat, NGINX, IBM Webspehere application server * Message Queues : IBM Websphere MQ, Rabbit MQ, AWS MQS, Kafka * Logging : ElasticSearch, LOgstash, Kibana(ELK) * Scripting : PYTHON, Node.Js, shell scripting * Language : Java, GoLang, HTML, CSS, Express.js, React.js, SQL * Operating System : Windows,Linux, AIX, CentOS, UNIX * SCM Tool : GIT, Bitbucket, Jira, Agile * DevSecops ools : JFrog, Shift-left, SonarQube |

**CERTIFICATIONS**

* AWS Certified Solution Architect – Associate ( AWS-SAA)
* AWS Certified Developer Associate – (AWS-DVA)

**CORE COMPETENCIES**

* Project Management(Proposals) Client Management Daily/Weekly/Monthly Reporting
* Solution Architect/Developer Migration/ Implementation Production Maintenance & Support
* Change Management Performance Monitoring Coaching & Mentoring

** WORK EXPERIENCE**

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| **Company** | **Designation** | **Duration** |
| Accenture Solutions Private Limited | Solution Architect & Devops Engineer | Aug 2016 – Till Date |
| Accenture Solutions Private Limited | Cloud Migration Specialist | Oct 2015 – July 2016 |
| Accenture Solutions Private Limited | IBM middleware Integration Architect | July 2013 – Sep 2015 |
| Helious & Matheson | IBM Websphere admin | Oct 2012 – May 2013 |
| PrimeLine Global Solutions | Software Developer | July 2010 – Sep 2012 |

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| **Project 1** | Ameren (August 2020 – Till date) |
| **Description** | The goal is to primarily migrate Forgrock IAM security application in to AWS EKS cluster. Building and generating docker images for different Forgrock components like userstore, CTS store, Open IG & open DJ by following strict network guidelines & security rules. Automate the Blue/Green deployment process on EKS cluster using helm charts with Golang & shell scripts.Worked on Backup/Restore, Ingress & DNS set up for EKS cluster.Supporting development teams for CI/CD process and troubleshooting the issues. |
| **Role** | AWS solution architect & Devops Engineer (Individual Contributor) |
| **Operating System(s)** | Linux(RHEL) |
| **Technology Used** | Amazon ECS, EKS, Golang for EKS helm charts, System manger, Postgre SQL, Aurora, NLB, ALB,DNS, GIT, Forgrock Identity and Access Management, Terraform, Shell scripting & Jira. |
| **Contribution** | * Worked on infrastructure with Docker containerization. * Kubernetes is being used to orchestrate the deployment, scaling and management of Docker Containers. * Expertise on EKS cluster and used shell scripts to automate the Blue/Green deployment process for ForgeRock security application. * Worked on building the images using docker for different ForgeRock components without network connection. * worked on EKS for deploying and maintaining ForgeRock components in DEV & QA environment using helm charts in EKS cluster. Worked on Ingress & DNS for EKS. * Worked on helm charts on EKS cluster using Golang. * Expertise on application deployment on EKS cluster. * worked on terraform for infrastructure automation for moving the Forgrock application in to EKS cluster. * Worked on internal & external ingress setup for EKS |

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| **Project 2** | Takeda Pharmaceuticals (Jan 2020 – July 2020) |
| **Description** | Support the service delivery or product team(s) in managing resources, projects and budgets to meet the goals of the business and clients. When required, develop and execute demand. An additional solution is being built complementing it & to manage all the AWS Resources through Cloud-formation and Lambda Python Automated script.  The goal is to primarily setup analyze Golden AMI setup with HashiCorp Packers and Service catalog creates Portfolio Products.User can create EC2 instance from service catalog.Python Lambda function analyze Amazon Inspector Assessment Report and send SNS notification email by executing Amazon EventBridge event.Set AutoTag when AWS resource created automatically. |
| **Role** | AWS solution architect & Devops Engineer (Individual Contributor) |
| **Operating System(s)** | Linux(RHEL), CentOS, Windows 2016 server, Ubuntu |
| **Technology Used** | Amazon CloudFormation, AWS Inspector, Step Functions, Lambda, Patch Manager, System manger, AWS Config, Oracle, NLB, EventBridge,SNS, RDS,Service Catalog, Secret Manager, KMS, VPC, AWS Data Migration Service, Code pipeline for CI/CD, Elastic Beanstalk, ECS,HashiCorp Packer, GitHub Actions, JFrog, Service-Now, Jira. |
| **Contribution** | * Design and Develop CloudFormation template for Golden AMI creation for different OS like Linux, Windows server 2016, Ubuntu. * Worked on creating the Golden AMI with CI/CD work flow for AWS Elastic Beanstalk service. * Proposed and designed architecture for auto tagging. * Write tagging policies using AWS Organizations. * Write Automation script for Auto Tagging and logging AWS resources. * Write Automation script for Amazon Inspector Assessment Report and Analyze findings for vulnerabilities. * Created CloudFormation nested stack for NLB,ALB creation with Auto scaling with Target groups.. * Implemented complete automation for AWS data migration service to migrate the data from On-Premises to Cloud and Cloud to Cloud. Created RFPs on it. * Monitoring and Scheduling on Cloud Watch and Amazon EventBridge event. * Worked on automation for registering the Service Catalog items for Takeda Pipeline factory Solution. * Write Automation for AWS Patch manager & maintenance windows using Lambdas and Step functions. * Involved in complete Agile methodology . |

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| **Project 3** | State of New Mexico ( June 2018 to Dec 2019) |
| **Description** | Worked as SME for AWS contact center solution & Building the Chatbots using AWS Lex. Worked on creating the POCs to bring the business. Creating the RFPs and actively involved in Stake holder meetings. Provided Architecture for different applications with high performance and low cost. Developed Medicaid and child support division application using Amazon Lex, connect, node.js. Worked on refactoring the code for existing applications using Node.Js. |
| **Role** | AWS solution Architect and Connect SME |
| **Operating System(s)** | Windows, Linux |
| **Technology Used** | AWS LEX, connect, Transcribe, Pinpoint, Lambda, API Gateway, CloudFormation, Kinesis stream, Cognito,SNS, Elastic search, Kibana, DynamoDB, Kubernetes, Jenkins, SonarQube, Bit bucket, git, SalesForce,Jira |
| **Contribution** | * Specialized in IVR and DTMF application development, hosted on amazon contact center services. * Has worked on latest technologies like AWS LEX chatbot development, Building complex Contact flows using Amazon connect, Jenkins, Salesforce CTL Adapters and Splunk integration with amazon connect. * Created a POC for voice mail solution. * Developed both English and Spanish Call flows. Conducted unit testing and provided bug fixes during SIT and UAT. * Refactored the Existing code using Node.js and for SMS routing used the AWS services like Lambda, SNS and Pinpoint. |

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| **Project 4** | National broadband network (NBN) for Australia (Nov 2017 to May 2018) |
| **Description** | Worked as AWS Solution Architect and owner for the Elastic File System backup service. Provided architecture for EFS to EFS back up solution and implemented automation for EFS to EFS.Worked on other AWS services and provided solutions based on cost and Performance. Worked as a individual contributor for NBN. |
| **Operating System(s)** | Unix and windows |
| **Technology Used** | AWS VPC, EC2, ELB, S3, EFS, EBS, Lambda, ClouFront, IAM, Route53, CloudWatch, SNS, RDS |
| **Contribution** | * Created and configured VPC, Subnets, NACLs and security groups. * Launched EC2 instance and Setup Web Servers (Apache and Tomcat), DB Server on top of EC2. * Created S3 buckets, stored DB backup files, log files and other flat files to S3 and assigned lifecycle policies. * Worked on EFS to EFS backup solution. * Upgraded / downgraded AWS resources like CPU, Memory, EBS volume size etc. * Launched and configured Amazon RDS for MySQL. * Performed Replication, backup activities on AWS Relational Database Service (RDS) including PostgreSQL, MySQL, Oracle database engines. * Worked with web distribution on CDN for CloudFront. * Hands on experience on troubleshooting connectivity issues between different servers/Services. * Experienced in creating multiple VPC's and public, private subnets as per requirement and distributed them as groups into various availability zones of the VPC. * Created snapshots to take backups of the volumes and also images to store launch configurations of the EC2 instances. * Created EBS volumes for storing application files for use with EC2 instances whenever they are mounted to them. * Hands on experience on troubleshooting connectivity issues between different servers/Services. |

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| **Project 5** | Anthem ( Aug 2016 to Oct 2017) |
| **Description** | Worked as AWS solution architect and connect developer. Offshore SME for AWS connect related projects across global in Accenture. Worked on different roles starting from gathering the requirements, design, implementation, bug fixing, deployment, checking code quality, integration with salesforce, splunk integration, worked on SSO using AD connectors and SMAL 2.0. |
| **Role** | AWS solution Architect and Connect SME |
| **Operating System(s)** | Windows, Linux |
| **Technology Used** | AWS LEX, connect, Transcribe, Pinpoint, Lambda, API Gateway, CloudFormation, Kinesis stream, Cognito,SNS, Elastic search, Kibana, DynamoDB, Kubernetes, Jenkins, SonarQube, Bit bucket, git, SalesForce,Jira, Microsoft AD, SAML 2.0,HTML5, CSS3, JavaScript, Node.JS, Streams API, WebRTC and CTI Adapter. |
| **Contribution** | * Worked as a individual contributor for developing Softphone CRM application for contact center solution using streams API, WebRTC . * Provided integration between AWS to Salesforce. * Worked on Microsoft Active Directory for Single sign on using SAML 2.0 . * Worked on Elasticsearch and Kibana dashboard tools . * Worked on integration between AWS with Splunk dashboard tool. * Worked on Kubernetes cluster for deploying the applications. * Provided best Architecture to select the appropriate AWS services based on Cost and performance. * Worked on Oracle Database. * Worked on many POCs for AWS contact center solution. * For building the infrastructure worked on Terraform, Ansible. |

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| **Project 6** | Carlsberg ( July 2013 to July 2016) |
| **Description** | Worked on different middleware technologies like Websphere application server, IBM MQ, Websphere business integration & IIB. Worked as cloud migration specialist for migrating Websphere MQ servers in to AWS cloud. Worked on integrating websphere MQ servers with SAP PO applications. |
| **Role** | Middleware Architect & cloud migration specialist |
| **Operating System(s)** | Windows, Linux, AIX |
| **Technology Used** | IBM websphere application server, MQ, IBM business integration & IIB, SAP PO, shell scripting. |
| Contribution | * Preparation of checklist for production deployment, deploying the build and coordination with application teams * Tracking activities to the closure and guiding team in trouble shooting production issues. * Provided on-call support (24\*7 Production support) for middleware systems(WBI/MQ) * Coordinate periodic system maintenance activities and monitoring of applications. * Building Unix and SQL scripts for monitoring and process automation. * Troubleshooting Java based message transformation maps in WBI. * Involved in system testing, integration testing, functional testing and volume testing. * Designing Test Cases with Test Inputs and documenting the Test Results. * Extensively interacting with large number of application teams being part in middleware support team. * Identify frequently occurring issues and recommend for long term solutions. * Incident Management and documentation of periodic Status reports for management and clients. * Installed, configured and maintain MQ V8.0 on Windows and Linux. * Responsible for administering of queue managers on AIX systems. * Creation of MQ queue managers, queues, channels and process definitions as per business needs. * Setup naming standards for the Queue managers, Queues and Channels. * Configured and implemented Distributed Queuing on Client/Server architectures. * Have done Clustering of Queue Managers and worked in the cluster environment. * Configured MQ Objects within the WebSphere Business Integration Environment. * Troubleshooting MQ related issues with MQ channel, queue manager, queues and message handling. * Experience in scripts for creating MQ objects by using MQSC commands and control commands. * Fixing Queue manager startup/Crash problems by examining at error logs and FFDC files. * Co-ordination with application team in designing applications to use MQ. * Enabled Triggering on the Queues for monitoring and automation. * Plan and implement the installation of fix packs, interim fixes. * Hands on practice with performance reports/metrics to identify process/availability improvement opportunities. * Highly experienced in troubleshooting and supporting complex multi-platform production deployment. |

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| **Project 7** | BestBuy ( Oct 2012 to May 2013) |
| **Description** | Worked on different middleware technologies like Websphere application server, IBM MQ. |
| **Role** | IBM websphere admin |
| **Operating System(s)** | Windows, Linux, AIX |
| **Technology Used** | IBM websphere application server, MQ. |
| Contribution | * Installed Web Sphere Application ND 7.0 in Linux environment by using Centralized installation manager. * Provided full administrative support for MQSeries V7.0 and V6.0 environment projects included object setup, testing, problem determination. * Created queue clusters and stopping and starting the queue managers and Qmgr Service, Setup High Availability for MQ servers. * Creation of MQ queue managers, queues, channels and process definitions as per business needs. * Experienced in setting up WebSphere MQ distributed queuing environment. * Created MQ Queues and Channels required for the Application. * Setup remote administration for all the Queue managers. * Responsible for monitoring applications and JVM’s. * Plan, install, and verify new MQ Series software versions and service packs on Windows, UNIX and Linux environments. * Hands of experience in resolving incident management and change management tickets. * Trouble shooting server and application performance problems related to the Web Sphere Application Server operations. * Took heap dumps / core dumps to analyze JVM crashes/issues. * Installed Fix packs for the problems to get solved with Application server as per the IBM recommendation. * Renewal the SSL certificate for application servers. * Used Collector Tool to gather information about installation and packages. * Disabling and enabling portal server pages at webserver end. |

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| **Project 8** | PNC Mortage ( Agust 2011 to Sep 2012) |
| **Description** | Worked on different middleware technologies like Websphere application server, IBM MQ. |
| **Role** | IBM websphere admin |
| **Operating System(s)** | Windows, Linux, AIX |
| **Technology Used** | IBM websphere application server, MQ. |
| Contribution | * Installed New EAR application and update the WAR modules. * Enabled security for the Admin Console and the application components. * Troubleshoot Application Server start-up issues, webserver related issues, * Supported 24X7 on-calls on a rotational basis. * Performed routine management of Web Sphere environment like monitoring Disk Space and CPU Utilization. * Administering Web Sphere which includes Installing Applications, Configure and Creating JDBC Providers, data sources etc. * Configured Virtual Hosts and JDBC drivers. * Trouble shooting server and application performance problems related to the Web Sphere Application Server operations. * Took heap dumps / core dumps to analyze JVM crashes/issues. * Working with wsadmin commands in WebSphere Application server. * Installed Fix packs for the problems to get solved with Application server as per the IBM recommendation. * Renewal the SSL certificate for web server. * Defining and maintaining Queue Managers and MQ Objects on Windows and Linux. * Administering MQSeries on various platforms. * Provided installation and configuration documentation * Renewal the SSL certificate for application servers. * Used Collector Tool to gather information about installation and packages. * Disabling and enabling portal server pages at webserver end. |

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| **Project 9** | Event Monitoring application for Orange Servers (July 2010 – July 2011) |
| **Description** | Worked on different middleware technologies like Websphere application server |
| **Role** | IBM websphere admin |
| **Operating System(s)** | Linux, AIX |
| **Technology Used** | IBM websphere application server |
| Contribution | * Installed Web Sphere Application ND 6.0 in Linux and Windows environment * Created DMGR, Application server, and custom profiles. * Installed and configured IBM HTTP Server 6.0 * Involved in Creating and Managing the Nodes, Application Server’s and Clusters. * Deployment of EAR & WAR files using Websphere admin console. * Responsible for monitoring applications and JVM’s. * Maintenance and Applying Fix Packs for Web Sphere Application * Applying refresh packs for Websphere application server. * Renewal SSL Certificates for Webservers. * Configuring Web Sphere Application Server with HTTP Server. * Looking for client questions/requests in tickets and ensure they get followed up on promptly. * Out of hours support. * Configured and Enabled the Global Security System for WAS Administration for Console users and Console Groups. * Collection of JVM statistics, garbage collection data for monitoring the heap and physical memory. * Used Collector Tool to gather information about installation and packages. |

** Functional Expertise**

* Products
* Pharmaceuticals
* Insurance
* Consumer goods & Services
* Telecom
* Healthcare

** EDUCATION**

* Bachelor of Technology (Computer science & Engineering) from Koneru Lakshmaiah college of engineering in 2008.

** PERSONAL DETAILS**

**Date of Birth :** 11th August 1987

**Languages Known :** Telugu and English

**Permanent Address** : D.NO: 7-114/2, Back of panchayathi office, kondapalli, IBM mandel, Vijayawada, Krishna District.

N**ationality**  : Indian

DECLARATION:

I hereby declare that all the above-mentioned information is true to the best of my knowledge.

Place:

Date: Narmada Kadiyala