

# ANIL GUPTA

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## EDUCATION

### Pace University, Seidenberg School of Computer Science and Information Systems

New York, NY

Master of Science (MS) in Computer Science Dec 2017

GPA: 3.8

### University of Mumbai, Theem College of Engineering

Mumbai, India

Bachelor of Engineering Electronics

June 2013

GPA: 3.2

## TECHNICAL SKILLS

**Virtualization & Cloud Technologies:** EC2, S3, IAM, SNS, SQS, SES, VPC, Route53, Auto-Scaling, ELB, Cloud Formation, Knowledge of VMware ESXi 5.5 (IaaS, PaaS, SaaS) and CloudStack  
**LINUX:** Debian and RPM packages, Red Hat EL 3/4/5/6/ and Centos.  
**Databases:** SQL, MYSQL, basic MongoDB and Cassandra Db and apache server  
**Protocols:** TCP/IP, UDP, RIP, IGRP, OSPF, EIGRP, Switch, FTP, WAN, SMTP, ROUTERS/SWITCHES  
**Shell Scripting :** Python, Perl, Bash and Ruby  
**Config management and integration:** Jenkins, Chef and Puppet, Ansible and version control like Git hub and Bit bucket  
**Build Tools:** Maven, Ant and Gradle  
**Containerization:** Docker and kubernetes

## CERTIFICATIONS

- AWS Certified Solutions Architect – Associate Dec 2017
- AWS Certified SysOps Administrator - Associate (In progress)
- Cisco Certified Network Professional Routing & Switching certification (CCNP) April 2017
- Juniper Networks Certified Associate May 2017
- Cisco Certified Network Associate Routing & Switching certification (CCNA) Aug 2016

## EXPERIENCE

### Shoptaki Inc.

New York, NY

#### Cloud Engineering Intern

Jan 2017 – Sep 2017

- Implemented auto scaling groups to maintain dynamically EC2 instances up or down automatically.
- Created snapshots and AMI's of the instances for backup and cloning instances
- Design AWS formation templates to create VPC architecture, EC2s, Subnets NATS to meet high availability application.
- Developed automation scripts using ec2 commands and designed server reporting services.
- Implemented monitoring process for cloud environment and notification system using cloud watch and SNS.

### Almansoori Specialized Engineering

Saudi Arabia

#### System Engineer

Jan 2014 – Dec 2015

- Improved the company's relationship with clients by Installing and configuring all Linux servers on the network according to client
- Effectively maintained backups using Linux RedHat CLI Installation, patching and upgrading software packages.
- Managed daily activities like user support and system administration tasks for both local and remote access then Implement new programs, modules, servers, hardware, network equipment when necessary to upgrade, improve resources or increase compatibility,
- Lead the delivery of cross-platform solutions integrating compute, network, storage, and virtualization platform.

## ACADEMIC PROJECTS

### Fault Tolerant Wordpress Site – EC2, S3, IAM, ELB, RDS, MySQL, Auto Scaling, Cloud Watch, Route53

Sep 2017

- Deployed the website on AWS, then analyzed and monitored incoming traffic using Cloud Watch, Cloud Trail and custom analytics, while storing the result in Dynamo database.
- Created multiple EC2 instances, load tested them, scaled them through auto scaling group and launched configuration.

### Network Reachability Monitoring and alerting – Python

May 2017

- Developed python automation script which check network connectivity of all devices and alerts via email.
- Extended functionality across all devices on LAN and Incorporated security by having all passwords hidden from end users.

### Enterprise Cloud Network – ELB, IAM, S3

Aug 2016

- Designed a single Virtual Private Cloud network setup for a 3-tier content provider application.
- Worked hands-on with AWS services like VPC, S3, EC2, ELB, Cloud Front, IAM, Cloud Watch, Direct Connect and WAF.

### Implementation of Dockers – WordPress Containers

May 2017

- Configured containers with application images pulled from DHR, linked database container with WordPress container.