

Piyush Kumar *Red Hat Certified Engineer*

• 16 Mar 1996 • piyush25032@gmail.com • +918209557041 • www.linkedin.com/in/piyushkumar96

Career Objective

To continuously enhance my knowledge skills and experience by getting involved in challenging work environment and utilize them for personal and organizational growth to the best of my ability.

Education

Birla Institute Of Technology, Mesra	JHARKHAND, INDIA
Bachelor degree in Computer Science & Engineering	Aug 2014 - May 2018
Cumulative GPA of First 6 semesters: 8.49/10.00	
Kendriya Vidyalaya Suratgarh Cantt	RAJASTHAN, INDIA
All India Senior School Certificate Examination,CBSE Aggregate: 88.60% (PCM+CS)	Apr 2011 - Mar 2013
All India Secondary School Examination,CBSE Aggregate: 10.0/10.0	Apr 2010 - Mar 2011

Skills

Programming Languages:- C, C++, Java, Python.
RDBMS:- MySQL, MariaDB, Oracle 11g.
Web Designing Languages:- HTML (basics).
Operating Systems:- Redhat, Ubuntu & other Linux Versions, Windows.
Others:- Docker & Containers, Ansible, Puppet, Splunk, GIT.
Software Packages:- Hypervisors, Eclipse, Dreamweaver, Sublime, Putty.
Interests:- Cloud Computing, Devops, AWS, Linux, Virtualization, Data Structures and Algorithms, Competitive Coding like on Codechef, Hackerrank etc., Practical Application of Oracle Database (OCA & OCP), Urge to Learn & Work on new and Opensource technologies.

Achievements

AMCAT :- ID: 30006399678139 Achieving Good National Percentile:- Computer Science:- 92.7% Quantitative:- 96.9% English Comprehension:- 85.3%	JULY 2017
EX300 Red Hat Certified Engineer :- RHEL v7 Certification ID: 160-275-855.	DEC 2016
EX200 Red Hat Certified System Administrator :- RHEL v7 Certification ID: 160-275-855.	DEC 2016
1Z0051 Oracle Database 11g SQL Fundamentals I :- Oracle 11g Certification ID: OC1628469.	AUG 2016
Academics in College :- Comes among Top 10 students in college among all branch.	SEP 2017
Academics in School :- Xth School Topper & Receive Cash price of Rs 10000 from KVS and various Certificates from Army Welfare Society. Participation Certifications in National Junior Maths and Science Olympiads.	APR 2011

Projects

Estimation of Urbanization Of An Area Using Image Segmentation Techniques (Final Year)

The purpose is to **substitute the time consuming and exhausting manual work** used for the estimation of urbanization, using only visual photographic satellite images and marginal manual work with the methods which **automatically classify** the image blocks of **aerial or satellite images** into **Built-Up Areas** like buildings, roads etc. and **Non Built-Up Areas** like forests, rivers etc. At last Graphical representation of Urbanization of an area in terms of ratio of buildings, vegetation and roads.

AUG 2017

Deployed my Own Cloud " BlackHole Cloud " :- Cloud Computing Services Access through web portal All users login verification through database & users details & no. of OS running is stored in database.

- **Saas** :- Opera, Google Chrome, Terminal, Adobe, Firefox, Notepad, Gedit etc.
- **Staas** :- Object Storage through **NFS, SAMBA, SSHFS, GLUSTERFS** & Block Storage **ISCSI**.
- **Iaas** :- Providing OS of required RAM, CPU, Storage on demand of Clients. OS like RedHat, Kali, Ubuntu, Windows etc. are provided in Web Browser using **VNC** protocol even using **RFID** tags by which we can shift our running OS in any devices having **NFC** support and Web Browsers.
- **Paas**:- Providing platform like python, java, Ansible, Apache server etc. using **Docker & Container**.
- **OS** :- RedHat, Kali, Ubuntu, Windows, Opensuse, CentOS.
- **Back End** :- Python with Python **CGI** linked with **MariaDB** database.
- **Front End** :- HTML, CSS, JS, **BOOTSTRAP**.
- **Tools** :- Qemu-Kvm, Sublime, Browser, RFID tags.

JULY 2016

StandBy Database (DATAGUARD) :- It enables very **high-speed movement of data and metadata** from one database to another means providing **Disaster recovery, Complete automatic data protection, and High availability**. Servers working on Oracle 11g database with base OS Oracle Linux Enterprise. One is currently open and Up On which huge no. of transaction are going on and while other is in mount mode with **Different geographical locations**. As **automate the backups of archives & datafiles from server 1 to server 2**, Whenever if there is problem in currently up server 1 or get destroyed in disaster or burnt out or require maintenance so to avoid failure of ongoing transactions decrease or decrease in hit ratio or to maintain **no time lag or server down** problem, then with few commands to run the server 2 will automatically up and working as primary server So **no loss of ongoing transactions and Data Loss**.

- **Base OS** :- Oracle Linux Enterprise.
- **Technology** :- Oracle 11g, Oracle Data Pump.
- **Tools** :- Linux, Type-2 Hypervisor, Putty.

MAR 2016

Internships & Training

Summer Intern:- Automate Deployment of **Cloud Computing & Virtualization** with **Containerized Docker** Integration On Redhat Linux System Using **Python CGI** and Provisioned by **Devops** - Own Cloud Infrastructure with Operational Intelligence Tool **Splunk** Under Vimal Daga Sir in **LINUX WORLD Pvt. Ltd. Redhat Certified and Authorised Partner**.

MAY 2016 - JUNE 2016

Oracle Certified Professional & Associate (OCP & OCA) Training:- Learn and practice all the Professional and Industry level routine work of DBA on Oracle 11g like taking different types of backups like **hot, cold, RMAN** etc and Recovery of Database in different situation so to **maintain the high Hit Ratios** and Various other stuffs at **Road Ahead Technologies Pvt. Ltd., Pearson Authorised Partner**.

AUG 2015 - MAR 2016

Extra Curricular Activities

Tech Fest:- Programming Club Coordinator conducting various coding competitions and seminars and Taking part in coding competitions.

Sport Fest:- Taking part in various sports events like Cricket and Volleyball.

Other Interests

- Eager To know & Learn more about Trending Technology and Gathering general knowledge like from Wikis.
- Doing Drawing and Social Work & Playing and Watching Cricket.
- Watching Sci-fi movies & based on Inspiring True Events movies, Hearing music, Techs videos on YouTube.

Strengths

Believe in myself, Quick learner, Hard working With Smartness, Optimistic, Trustworthy person, Adjustable to any working environment, Ability to work as individual as well as in team.