VENKATA SIVA ABHISHEK MUNUKUTLA

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EDUCATION

Master of Science in IT (Information Systems)	Arizona State University, USA	GPA: 3.96	August 2017 - May 2019
Bachelor of Engineering in IT	Osmania University, India	GPA: 3.40	Sept 2012 - June 2016

SKILLS

Python, Java, JavaScript ES6, SQL, MySQL, MS SQL, PowerShell, Eclipse, Maven, Git, HTML/CSS, Apache Tomcat, JSON, XML, Django, NodeJS, MongoDB, Express, Ubuntu, Windows Server 2016, CentOS 6, Amazon Web Services

COURSEWORK

Software Engineering, Advanced SQL Programming, Web Development and Scripting, Cloud Computing with AWS, System Administration with Unix, Data Structures and Algorithms

WORK EXPERIENCE

Software Engineering Intern   **Edgenuity Inc., USA**   January 2019 – Present
- o Explored the current system in place and research for tools to automate a patch management system.
- o Worked with Cloud-Ops team and reduced 30% costs in Cloud Operations by developing automation tool.
- o Developed AWS CloudFormation scripts to spin up Windows Servers, SQL servers (Highly Available), and WSUS server with configured IAM Policies, roles and VPCs thus reducing manual efforts by 50%. Set up Chef Server, Chef workstation and configured Chef Clients.
- o Used AWS OpsWork (Chef), AWSCLI and PowerShell to automate the patch release process following patch management policy on WSUS which contains different use cases.

Utilized: AWS, Chef, PowerShell, Windows Server 2016, SQL Server 2017, Server Clustering, Active Directory, WSUS, WSFC

Software Developer Intern   **Mettle Solutions LLC, USA**   January 2019 – March 2019
- o Developed REST Web Service with Jax-WS to be consumed by customers and performed API testing.
- o Translated shell scripts into object-oriented python code to improve security and performance.
- o Developed unit tests further improving code coverage by 40%. And worked on fixing few critical impact bugs.
- o Integrated SonarQube to build pipeline and resolved vulnerabilities thus improving overall product security.
- o Assisted in dev and test (linux) server maintenance and security configuration.

Utilized: Java 8, JAX-WS, POJO, JavaScript, Maven, Apache Tomcat 8.5, Git, Python 2.7, Ubuntu 16, Postman

ServiceNow Developer Intern   **Eastman Chemical Company, India**   July 2018 – August 2018
- o Assisted in migrating workflows from Infopath to ServiceNow. Developed workflows for approvals, notifications, tasks, and automation.
- o Created UI Policies, Client Scripts, and Script Includes for Catalog Items and customized SLAs and OLAs.
- o Integrated instances with Scripted REST API to trigger automated administrative actions to reduce manual workload by 50%.
- o Demonstrated ServiceNow's integration with Active Directory using LDAP and Scheduled Jobs.

Utilized: ServiceNow ITSM, JavaScript, Active Directory, Windows Server 2016

Associate Software Developer   **Huvi Technologies, India**   June 2016 – July 2017
- o Developed small-scale server applications for clients with Python Django, Unittest, and Django-Rest-Framework in Linux environment.
- o Deployed, configured, monitored and maintained infrastructure on Amazon Web Services for server applications.
- o Designed, developed SQL scripts and configured databases in MS SQL, MySQL and optimized queries to improve application performance.
- o Improved and tested REST API with Node.js, Express.js, and Postman.
- o Collaborated with clients to identify issues, resolved ongoing problems and performed troubleshooting on servers.

Utilized: Python, JavaScript, Django, DRF, Unittest, MySQL, MS SQL, Node.js, Express.js, Postman, Amazon Web Services, Linux

SOFTWARE PROJECTS   Visit **http://venkatam.com** (for additional information and projects)

Resource Ninja (Innovation Hub, ASU)
Utilized: MySQL, Django 2.0, HTML, CSS, JavaScript, Git
- o Conducted interviews with end users and stakeholders to gather requirements.
- o Implemented SQL query optimization techniques and improved database access speed by 30%.

Student Party E-VITE Application: Devil's Call
Utilized: MS-SQL Server, SQL Server Management Studio, Django
- o Developed Stored Procedures, Triggers and Constraints in the database of the application with T-SQL on SSMS.
- o Optimized queries to achieve efficiency in a very large database.

CERTIFICATIONS AND ACHIEVEMENTS

- o Runners-up at IT Nerdhack 2018 powered by ServiceNow hosted at the Arizona State University.
- o Published a paper titled Internet of things: Obstacles and Challenges in International Journal of Application and Innovation in Engineering and Management (IJAIEM), Volume 5, Issue 10, October 2016.
- o Server-side Development with NodeJS, Express and MongoDB by The Hong Kong University of Science and Technology. Link: https://www.coursera.org/account/accomplishments/verify/JV76M367KUK3