

## 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 (MS Applied Project)** **Edgenuity Inc., USA** January 2019 – Present

- Explored the current system in place and research for tools to automate a patch management system.
- Worked with Cloud-Ops team and reduced 30% costs in Cloud Operations by developing automation tool.
- 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.
- 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

- Developed REST Web Service with Jax-WS to be consumed by customers and performed API testing.
- Translated shell scripts into object-oriented python code to improve security and performance.
- Developed unit tests further improving code coverage by 40%. And worked on fixing few critical impact bugs.
- Integrated SonarQube to build pipeline and resolved vulnerabilities thus improving overall product security.
- 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

- Assisted in migrating workflows from Infopath to ServiceNow. Developed workflows for approvals, notifications, tasks, and automation.
- Created UI Policies, Client Scripts, and Script Includes for Catalog Items and customized SLAs and OLAs.
- Integrated instances with Scripted REST API to trigger automated administrative actions to reduce manual workload by 50%.
- 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

- Developed small-scale server applications for clients with Python Django, unittest, and Django-Rest-Framework in Linux environment.
- Deployed, configured, monitored and maintained infrastructure on Amazon Web Services for server applications.
- Designed, developed SQL scripts and configured databases in MS SQL, MySQL and optimized queries to improve application performance.
- Improved and tested REST API with Node.js, Express.js, and Postman.
- 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

**Graduate Teaching Assistant** **Arizona State University, USA** January 2018 – May 2018

**Course:** Introduction to Java Technologies

- Assisted professor with instructional responsibilities.
- Held weekly tutoring sessions on campus and online, and graded assignments and tests.

### 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

- Conducted interviews with end users and stakeholders to gather requirements.
- Implemented SQL query optimization techniques and improved database access speed by 30%.

### CERTIFICATIONS AND ACHIEVEMENTS

- Runners-up at IT Nerdhack 2018 powered by ServiceNow hosted at the Arizona State University.
- Published a paper titled Internet of things: Obstacles and Challenges in International Journal of Application and Innovation in Engineering and Management (IJAIEEM), Volume 5, Issue 10, October 2016.
- 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>