

# VENKATA SIVA ABHISHEK MUNUKUTLA

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## EDUCATION

|  |  |                  |                  |
|--|--|------------------|------------------|
| <b>Masters in Information Technology</b>                 | <b>Arizona State University, AZ, USA</b> | <b>GPA: 3.89</b> | <b>May 2019</b>  |
| <b>Bachelor of Engineering in Information Technology</b> | <b>Osmania University, India</b>         | <b>GPA: 3.40</b> | <b>June 2016</b> |

## TECHNICAL SKILLS

|                           |  |
|---------------------------|--|
| <b>Languages</b>          | : Java, SQL, Python, PERL, T-SQL, PL/SQL, C, C++, PowerShell, Shell/Bash Script  |
| <b>Databases</b>          | : MySQL, Oracle 9i, MS SQL   |
| <b>Tools</b>              | : NetBeans IDE, Eclipse IDE, XAMPP, WAMP, Apache Tomcat, MS SQL Server Management Studio, Virtual Box, Microsoft Office, Spark Shell, Matlab, Powershell, Maven, GIT, Docker |
| <b>Web Technologies</b>   | : HTML, CSS, XML, JavaScript, PHP, REST, JSON, Bootstrap   |
| <b>Platforms &amp; OS</b> | : Linux (Ubuntu), Windows, CentOS, Amazon Web Services   |

## RELATED COURSEWORK

|                  |                      |                          |
|------------------|----------------------|--------------------------|
| Cloud Computing  | Software Engineering | Advanced SQL Programming |
| Web Technologies | Java Programming     | Analysing Big Data       |

## EXPERIENCE

**Graduate Services Assistant at Arizona State University** January 2018 – Present

**Course:** Introduction to Java Technologies

- Assist professor with instructional responsibilities.
- Hold weekly tutoring sessions online and on campus.

## ACHIEVEMENTS

- Runners-up at ASU Hackathon (IT NerdHerd) powered by ServiceNow.
- 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

## ACADEMIC PROJECTS

### Arizona State University, USA

**Student Party E-VITE Application on ServiceNow** March 2018 - Present

**Technologies:** ServiceNow, JavaScript, MS-SQL Server, SQL Server Management Studio.

- The objective of the project is to develop a comprehensive student event online invitation system.
- This project will be integrated with other ASU services like OrgSync.

**Workflow automation for TPMS Heat Exchanger project** February 2018 – Present

**Technologies:** Python 3.5, Blender, Bash/Shell Scripting

- Automate the process of surface generation, adding thickness, and creation of STL file for 3D printing.
- Creating scripts to accept inputs for customizing the surface.

**Analysing crime data from the city of Los Angeles using Amazon Web Services** November 2017 – December 2017

**Technologies:** Java, AWS Elastic Map Reduce, AWS Athena, Tableau, and AWS S3

- Ran MapReduce on Amazon EMR with a transient cluster to reduce setup time and lower cost up to 90%.
- Connected Tableau Desktop to Amazon Athena to create Tableau Dashboards for visualizing output.

### Osmania University, India

**Continuous User Identity Verification for Secure Internet Services (Banking System)** October 2015 – April 2016

**Technologies:** HTML, CSS, JavaScript, JQuery, JSP, Servlets, SQL, Netbeans, and SQLYog

- Developed a continuous authentication mechanism that improved security and usability of the user session.
- Additional layer improved security by 50 percent without compromising usability.
- Improved the accuracy of session control by triggering adaptive time-outs using JQuery.