

VENKATA SIVA ABHISHEK MUNUKUTLA

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EDUCATION

Masters in Information Technology	Arizona State University, AZ, USA	GPA: 3.89	May 2019
Bachelor of Engineering in Information Technology	Osmania University, India	GPA: 3.40	June 2016

TECHNICAL SKILLS

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

RELATED COURSEWORK

Cloud Computing	Advanced SQL Programming	Unix System Administration	Java Programming
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EXPERIENCE

Arizona State University - Arcadia Engineering (Industry Partner Project) February 2018 – April, 2018

Role: IT Engineer

Technologies: Python 3.5, Blender 2.79, Bash/Shell Scripting, VirtualBox, Ubuntu 16.04

- Develop a Virtual Machine with a ready-to-use Linux environment with Blender to overcome Python-PyMcubes dependency issues and setup Blender with PyMCubes package.
- Automate the process of surface generation, adding thickness, and creation of STL file for 3D printing.
- Create scripts to accept inputs for customizing the surface.

Arizona State University, Mesa

January 2018 – May, 2018

Graduate Services Assistant

Course: Introduction to Java Technologies

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

ACHIEVEMENTS

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

ACADEMIC PROJECTS

Arizona State University, USA

Student Party E-VITE Application

March 2018 – April, 2018

Technologies: MS-SQL Server, SQL Server Management Studio, Django

- Used T-SQL to create scripts to generate a database for the application.
- Created stored procedures and triggers and performed code optimization.

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

January 2016 – May, 2016

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

- Developed an algorithm for continuous authentication that improves security and usability of the user session using biometrics (simulation). Improved the accuracy of session control by triggering adaptive time-outs.
- Additional layer improved security by 50 percent without compromising usability.