**Shashi Kumar Gara**

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**EDUCATION:**

**Master of Science, Information Technology** Aug 2023 - May 2025

ArizonaState University, Tempe, USA. GPA: 3.9

**Coursework**: Data Structures & Algorithms, Foundations of Software Engineering, Data Visualization, Software Project Management.

**Bachelor of Technology, Electronics and Communication Engineering** July 2016 – September 2020

VNR VJIET, Hyderabad, India. GPA: 3.2

**Coursework**: Embedded Operating Systems, Signal Processing, Analog and Digital communications, VLSI.

**TECHNICAL SKILLS:**

**Domains:** Cybersecurity , frontend development, pentest.

**Languages:** C, C++, Java, Python, JavaScript, PHP.

**Web development:** HTML, CSS, Bootstrap, React.js, Node.js, Flask, REST.

**Databases:** MySQL, Oracle, MongoDB.

**Tools and Frameworks:** Spring Boot, Git, Tableau, AWS-Basics, Microsoft- Office.

**PROFESSIONAL EXPERIENCE:**

**Senior Analyst (MDM Developer), Capgemini Technologies, India** August 2020 – August 2021

* Supported an Informatica Product 360 (PIM) system for a Finland based Retail client, which serves as the master data source for downstream SAP systems, eCom and POS counters at physical stores.
* Developed an automation script to check for connection issues between various interfaces connected to the PIM server, reducing manual work by 99%.
* Worked with end-users and functional experts on various issues.

**Software Engineer Intern, Capgemini Technologies, India** January 2020 – March 2021

* Got trained on Python, Java, Linux and MDM Informatica tool for data pre-processing.
* Worked on a real time project on MDM Hub Console in creating the golden copy of customer data.
* Developed a web application for library management system for managing books, articles, magazines, to fetch the requests by user using Java.

**Front End Engineer Intern, Mroads Technologies Pvt, India**  May 2018 – June 2018

* Developed a company portal for Mroads Technologies using HTML, CSS, JavaScript, Angular, PHP, Xampp server.
* Built a dynamic website by collecting image inputs from the user and displaying them on the web page.

**PROJECTS:**

**Linux Based Autonomous Rover Project Using ROS2|** ROS2, Linux, Gazebo. Spring 2022

* Developed a GUI from which we can configure the Rover according to user requirements, select a maze, and then launch the rover world into the gazebo simulation environment.
* Implemented an algorithm using ros2 python API and it uses the scan data from LIDAR.
* **GitHub Link:** <https://github.com/Charishma090619999/AutonomousRover>

**Network Intrusion Detection System |** Python, React.js, Flask, Docker, Azure – Web App for containers Fall 2020

* Created a machine learning model that monitors the network for any cyber-attack or malicious activity.
* Designed a basic UI with HTML and CSS and integrated it with the model using Flask App.
* Containerized the project using Docker and hosted it on Microsoft Azure.
* **GitHub Link:** <https://github.com/Charishma090619999/NIDS>

**Contra Code |** PythonFall 2021

* Using Python, we created a programming language that can do arithmetic, logical, and conditional operations, as well as conditional statements and loops.
* **GitHub Link:** <https://github.com/Charishma090619999/contracode>

**Football Tournament |** Spring boot, React.js, Java, MongoDB.Spring 2022

* Developed a website to aid in the organization of a football tournament and schedule matches between various teams.
* Followed Agile methodology and delivered the project in sprints.
* **GitHub Link:** <https://github.com/Charishma090619999/Website-for-Arranging-matches>

**Hospital Management System|** JavaFX, Java, MySQL. Fall 2021

* Developed a software system to reduce paperwork and increase the accessibility of patient records.
* Implemented Nurse Portal, Doctor Portal and Patient Portal using OOPS concepts.
* **GitHub Link:** https://github.com/Charishma090619999/CSE360Project