

# Kasiviswanathan Srikant Iyer

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## EDUCATION

### Masters in Computer and Information Science

University of Florida

May 2023

Gainesville, FL

### Bachelors in Computer and Information Science

SRM Institute of Science and Technology

May 2019

New Delhi, India

## EXPERIENCE

### AMD | Global Operations

Austin, TX

*Product Development Engineering II*

June 2023 – Present

- Executed SLT and ATE tests, authoring a script to perform characterization on next-gen graphics chip
- Ensured graphic card performance by conducting system-level testing, resulting in a 30% reduction in system crashes

### AMD | Global Operations

Austin, TX

*Product Development Engineering Co-Op*

August 2022 – December 2022

- Displayed expertise in scripting and advanced hardware by managing issues in software and product improvement

### University Of Florida | UF Information Technology

Gainesville, FL

*Software Engineering Intern*

January 2022 – August 2022

- Boosted web accessibility and unit testing in Katalon Studio by creating 100+ automation scripts
- Collaborated with 3 teams to develop test scripts for maintaining the university website using Micro Focus ALM
- Made the JMeter script 7 times faster by introducing BeanShell scripting for load handling

### TCS | SAP BASIS

New Delhi, India

*Assistant Systems Administrator*

June 2019 – August 2021

- Increased efficiency by 90% by automating 90+ processes in Worksoft for multiple teams
- Utilized BMC Software to create 20+ new jobs for SAP Basis from Service Now requests, automating job scheduling
- Optimized data storage and increased access speed by 20% by transitioning DB2 database to HANA
- Conducted load balancing across active application servers for performance enhancement, following SAP directives

## TECHNICAL SKILLS

**Languages:** Java, Python, C++, C, F#, PHP, HTML, CSS, JavaScript, Go Lang, SQL, NoSQL

**Technologies:** Git, Stash, Control-M, SAP, Agile, ALM, Docker, Kubernetes, AWS, Jenkins, Jupyter, JSON, Ajax

**Tools:** NumPy, Angular, Selenium, GCP, React, Node.js, TCP, UDP, Express.js, REST, OOD, Confluence, BeanShell

## ACADEMIC PROJECTS

### Movie Rating Website | Go, React, Rest API, SQLite, Cypress, Agile

- Developed 15+ back-end API endpoints in Golang to rate movies, add friends, provide ratings, and search movies
- Configured the database and achieved 80%-unit test coverage practicing agile methodologies over 5 sprints

### Distributed Processing Projects | F#, WebSockets, Akka model

- Designed a multi-threaded encrypted twitter engine, concurrently handling up to 20,000 users using Akka actors
- Implemented CPU intensive task of bitcoin mining by distributing the load over 7 systems

### Accident Analysis System | C#, .NET, Angular, Ajax, Bootstrap, jQuery, SQL (Oracle)

- Built a web application with 100,000+ records of accidents to show trends dynamically for insurance companies

### Interactive IoT voice responder | Python, API Arduino, Raspberry Pi, ESP8266, Node MCU, IoT

- Fashioned a smart home device to recognize 50+ custom voice query requests using Python and Google APIs.
- Upgraded dumb devices to be smart, including making a heating system wireless & watering plant remotely.

## PERSONAL PROJECTS

### Swamp Hackathon | Google Cloud, Twilio API, AssemblyAI, Node.js, Express.js, Firebase

- Engineered a safety app with live geolocation and real-time voice transcripts using APIs in a 36-hour hackathon

### Website searcher | Python - Selenium, Twilio, Pywhatkit, Raspberry Pi

- Constructed a program to periodically crawl 6 different websites, collecting relevant information.
- Employed Twilio API & Pywhatkit to send phone updates through a headless Pi server, with an uptime of 203+ days.

### GUI interactor | Python - Pyautogui, Python – Pywinauto

- Eliminated manual repetitive actions reducing effort by 100% by utilizing python to interact with the GUI