

Kasiviswanathan Srikant Iyer

(352)-888-3629 | Austin, TX | ksriye@gmail.com | linkedin.com/in/srikant-iyer | github.com/srikant33

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