Kasiviswanathan Srikant Iyer

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EDUCATION

Masters in Computer and Information Science | (3.66/4 GPA) May 2023
University of Florida *Gainesville, FL*

Bachelors of Technology in Computer Science | (80.35%) May 2019
SRM Institute of Science and Technology *New Delhi, India*

EXPERIENCE

Quality Testing Intern Jan 2022 - Present
University Of Florida | UF Information Technology *Gainesville, FL*
- Created and performed test scripts for accessibility testing and identifying processes that can be automated

Assistant Systems Administrator Jun 2019 - Aug 2021
TATA Consultancy Services | SAP BASIS *New Delhi, India*
- Automated 90+ processes in Worksoft automation tool for multiple teams increasing efficiency by 90%
- Created 20+ new jobs for SAP Basis end, from Service Now requests, using BMC Software for auto scheduling jobs
- Transitioned DB2 database to HANA optimizing data storage and increasing speed of access by 20%
- Conducted load balancing across active application servers for performance according to the SAP recommendation

Development Trainee Jun 2017 - Jul 2017
NTPC Limited | Sustainable Development *Badarpur, India*
- Tracked sensor data using ThingSpeak API and sent failure alerts using IoT, reducing manual check by 80%
- Set-up a web application using technologies like NodeMCU, Java, PHP, HTML, Bootstrap to make it accessible

TECHNICAL SKILLS

Languages: Java, C++, F#, PHP, HTML, CSS, Python, JavaScript, SQL (MySQL and Oracle), Scilab
Technologies: Git, Microsoft Office, Worksoft, Control-M, VS Code, SAP, Agile Project management and delivery
Libraries: NumPy, Pyautogui, Selenium, Matplotlib, REACT, Node.js, TCP, UDP, pywhatkit

ACADEMIC PROJECTS

Twitter Clone | *F#, WebSockets, Akka model* Nov 2021 - Dec 2021
- Designed a multi-threaded encrypted twitter clone concurrently handling up to 20,000 users by using Akka actors

Road Safety Data Analysis System | *C# WebServices, AJAX, Bootstrap, jQuery, SQL* Aug 2021 - Dec 2021
- Launched a 100,000-record database system in Oracle and processed the data into 3rd Normal Form
- Built a web application in .NET framework helping users survey 14 trends dynamically, using Charts.js library

Bitcoin Mining on Distributed Systems | *F#, WebSockets, Akka model, Hashing* Sep 2021 - Oct 2021
- Implemented multi-core intensive task such as simulated bitcoin mining by checking for up to 8 leading zeros
- Connected 4 systems as server and client to distribute load in accordance with each machine's resources

Interactive voice responder | *Python, Java, MySQL, API* Jan 2019 - May 2019
- Fashioned a smart home device using IoT components including Raspberry Pi, Arduino and ESP8266
- Recognized 50+ personalized voice commands and queried requests using Python and Google Home API

PERSONAL PROJECTS

Website searcher | *Python - Selenium, Twilio, pywhatkit* Jun 2021
- Developed a program to periodically traverse 6 different websites, collecting the relevant information
- Employed Twilio API and pywhatkit to send updates to phone

GUI automation | *Python - Pyautogui, Python - Pywinauto* Jun 2020 - Aug 2020
- Eliminated manual repetitive actions reducing effort by 100% by setting python to interact with the GUI

IoT Projects | *Arduino, Raspberry Pi, ESP8266* Jan 2016 - Dec 2019
- Devised 7 IoT projects like simulating IR signals, making heating system wireless, watering plants remotely

Publication | *Arduino, Raspberry Pi, ESP8266, Node MCU* Jun 2020
- Published a paper on "Cost-effective approach to parking management: Effective parking using IoT"