

# SAI KRISHNA MOVVA JAYA

737-342-7588 | mjsaikrishna7@gmail.com | [LinkedIn.com/saikrishnamj](https://www.linkedin.com/in/saikrishnamj) | [GitHub](#) | [Portfolio](#)

## EDUCATION

Master of Science in Computer and Information Science   <a href="#">University of Texas at Arlington</a>   3.91 GPA	Aug 2023 - May 2025
Master of Engineering in Information and Network Security   <a href="#">University of Limerick, Ireland</a>   3.9 GPA	Aug 2018 - Sep 2019
Bachelor of Engineering in Computer Science   <a href="#">SJB Institute of Technology, Bangalore, India</a>   3.8 GPA	Aug 2013 - Feb 2018

## SKILLS

- **Programming Languages:** Python, Java, JavaScript, SQL, PHP
- **Web & Database Technologies:** REST API, GraphQL, React.js, Django, ASP.NET Core, MySQL, DynamoDB, Cassandra
- **Software Development Methodologies:** Agile, Scrum, Jira, qTest, BDD
- **Test and Automation Tools:** Selenium WebDriver, Cypress, Gherkin, Cucumber, Jmeter, Postman, JUnit
- **Cloud & DevOps Tools:** Git, Terraform, Kubernetes, Linux, AWS (IAM, EC2, S3, Lambda, CloudFormation, API gateway, SQS)
- **Security Tools & Protocols:** Splunk, Checkpoint, Forcepoint, Burp Suite, TLS, HTTP/S, SMTP, FTP, TCP/IP, DNS, WAF, Shield

## CERTIFICATIONS

- Selenium WebDriver with Python from scratch & frameworks Jul 2024
- DevOps Fundamentals – CI/CD with AWS, Docker, Ansible, Jenkins Mar 2024

## EXPERIENCE

### GRADUATE TEACHING ASSISTANT

University of Texas at Arlington, Department of CSE Jan 2025 – Present

- Conduct lectures on software engineering principles, including SDLC models, agile methodologies, and the use of tools like Jira for project management.
- Guide in course management, grading assignments, and mentoring students on project development & software best practices.

### GRADUATE RESEARCH ASSISTANT

University of Texas at Arlington, Office of Transition Programs & Services Mar 2024 – Dec 2024

- Designed & implemented feedback forms using Django ORM and templates, increasing collection rates by 30%.
- Automated Excel data processing with Python libraries (Pandas, OpenPyXL), boosting efficiency by 95%.

### SOFTWARE ENGINEER

Dell Technologies – Cork, Ireland Nov 2019 – Jun 2023

- Architected and implemented an automation framework with Selenium and Python, reducing manual testing time by 40% through optimized modular scripts.
- Developed scalable microservices and integrated software solutions, ensuring effective delivery through cross-functional collaboration.
- Configured 35+ VMware ESXi hosts with VMAX storage, optimizing resource allocation and workload scalability using vSphere features like vMotion and DRS.
- Led automation development for the Juniper project, developing 40+ Python and Selenium scripts to support the migration from Legacy Symmwin to Simplified Symmwin, reducing testing time by 35%.
- Directed automation testing efforts for the Laurel project, achieving a 30% defect resolution improvement using Python and SmartBuilder for critical test case automation.
- Developed and executed automation scripts, improving regression testing speed by 20% and managing lab infrastructure with Ansible and VMware.
- Spearheaded a team of 4 to develop an internal React.js website for monitoring and tracking servers and virtual machines, streamlining resource management for the SIS team.
- Resolved Dell server firmware using Postman and Python, optimizing OS configurations across 50+ servers to improve reliability by 35%.
- Optimized system reliability by 35%, reducing code review times by 20%, and resolving 100+ network issues using Wireshark and Python scripts.

## PROJECTS

*Musiqi (React.js, JavaScript, Html, Shazam API, Jmeter, Postman, Selenium, Gherkin, PyTest, Python, Azure, Jenkins, Git)* [\(LINK\)](#)

- Built a web music player with React.js and Shazam API, enabling seamless music search and streaming, with 1,000+ tracks and a 25% increase in user engagement.
- Crafted JMeter integration for performance testing, ensuring 30% improvement in scalability across high-traffic scenarios.

*Sneaky (React.js, Typescript, Html, SCSS, Vite, MongoDB, Java, Cucumber, Selenium, Grafana, Jira, Git, Jenkins)* [\(LINK\)](#)

- Designed a website application that allows customers to buy and sell vintage/rare sneakers.
- Engineered a robust Cucumber-based automation framework using Java to ensure comprehensive UI quality assurance, covering 18 test cases, and delivering a seamless user experience.