

SAI KRISHNA MOVVA JAYA

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PROFESSIONAL SUMMARY

Passionate about building software and ensuring quality through developing, testing, maintenance, and identifying security vulnerabilities. With dual master’s degrees in information and network security and computer science, and nearly 4 years of software engineering experience, I excel in delivering secure and reliable software solutions.

EDUCATION

Master’s in Computer and Information Science University of Texas at Arlington 3.88 GPA	Aug 23 - May 25
Master's in Information and Network Security (Thesis) University of Limerick, Ireland 3.6 GPA	Sep 18 - Sep 19
Bachelor of Engineering in Computer Science SJB Institute of Technology, Bangalore, India 3.6 GPA	Aug 13 - Jun 17

KEY SKILLS AND COMPETENCIES

- **Programming Languages:** Python, Java, JavaScript, Kotlin
- **Testing:** API, Security & Vulnerability, Performance, Test Planning, Test Design
- **Automation Tools:** Selenium WebDriver, Cypress, Appium, Mocha, Pytest, PyWinAuto, Behave, Page Object Design
- **Penetration Testing:** Kali Linux, Metasploit, Wireshark, Nmap, Nikto, SQLmap
- **Security Tools:** Defender, Burp Suite, Fiddler, Log Analysis, Azure Fundamentals
- **Cloud Technologies:** AWS EC2, Azure
- **Databases:** SQL, NoSQL
- **Web Tools:** HTML, CSS, REST API, React.js, Redux, Curl
- **Software Management:** Agile, Scrum, Jira
- **DevOps Tools:** Jenkins, Git, Docker, Ansible, JFrog Artifactory, Postman, JMeter

CERTIFICATIONS

• Selenium WebDriver with Python from Scratch + frameworks certified by Udemy	Feb 24
• API Automation Testing with Python & BDD Framework certified by Udemy	Jun 24
• Cypress – Modern Automation Testing from scratch + frameworks certified by Udemy	Jul 24

WORK EXPERIENCE

[UNIVERSITY OF TEXAS, ARLINGTON](#) - ARLINGTON, TX, USA

GRADUATE RESEARCH ASSISTANT, Office of Transition Programs & Services: Mar 24-Present

- Develop dynamic feedback forms using HTML and JavaScript, boosting feedback collection rates by 30%.
- Develop python scripts using pandas and openpyxl to efficiently parse and process large datasets from Excel sheets.

[DELL TECHNOLOGIES](#) - CORK, IRELAND

SOFTWARE ENGINEER: Nov 19 – Jun 23

- Led a team of 6 in the development of an automation framework using Selenium with Python, creating 50+ automation scripts to efficiently test an internal website, reducing manual testing time by 40%
- Designed and developed software for platforms and applications, automating Dell PowerMax storage with custom plugins, Python scripts, Ruby scripts, and Bash files.
- Developed automation scripts to test storage array infrastructure for symmetrix, ensuring system initialization, component replacement, cache operations, remote connectivity, and data recovery were verified for reliability before product release
- Improved system reliability by 35%, reducing code review and push times by 20%, and conducted troubleshooting for 100+ Windows network systems.

PROJECTS

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

- Developed a web music player using React.js and the Shazam API, enabling users to search and stream music.
- Led the integration of JMeter for performance testing, ensuring scalability and robustness.

Sneaky (React.js, JavaScript, Html, CSS, Firebase, Python, PyTest, Selenium, Jira, Git, Jenkins) ([LINK](#))

- Developed a website application that allows customers to buy and sell vintage/rare sneakers.
- Developed a robust PyTest automation framework for comprehensive website quality assurance.

AI Image Generator (React.js, JavaScript, Html, CSS, OpenAi API) ([LINK](#))

- Built a webapp, integrating OpenAI services to generate images from user descriptions, showcasing AI-Web synergy.

Application of Deep Learning on Music Genre Classification (CNN, LSTM, Deep Learning, Python, TensorFlow) ([THESIS](#))

- Classified music into five genres by extracting features using the Python library Librosa.
- Implemented and trained deep neural networks on the dataset with TensorFlow and Keras for accurate genre classification.