RAVI RAJAPPA

711 W Broadway Road, Tempe, AZ • +1 602-566-1887 • rrajapp1@asu.edu • linkedin.com/in/ravi-rajappa/ • www.github.com/r2vichan

EDUCATION

Ira A. Fulton Schools of Engineering at Arizona State University   Tempe, Arizona
Master of Science in Computer Science   May 2025
GPA: 3.89/4.00
Relevant Coursework: Software Security, Applied Cryptography, Information Assurance & Security.

Visvesvaraya Technological University   Bangalore, India
Bachelor of Engineering in Computer Science   August 2020
GPA: 7.3/10

TECHNICAL PROFICIENCY

Programming Languages: Java, JavaScript, Python, PowerShell.
Tools, Databases, and Methodologies: Node.js, CyberArk, Identity Access Management Security, Amazon Web Services, Infrastructure as Code, Automation Tools, CI/CD, REST APIs, MySQL, Wireshark, Git, Linux, Unit Testing, Tableau, OAuth2.
Certifications: AWS Certified Developer - Associate (September 2022), CyberArk Trustee (November 2020).

WORK EXPERIENCE

General Electric | Software Engineer: Identity Access Management | Bengaluru, India   October 2020 – July 2023
Achievements:
- Developed solutions to modernize and automate internal Identity management processes, including migration, development, and testing while collaborating with technical leads and various teams within the IAM space.
- Implemented: A modern automation framework built on Amazon Web Services (AWS) and Node.js, driving a transition away from legacy on-premise PowerShell setup, resulting in an 85% reduction in Privileged Access Management (PAM) service execution time and a 60% reduction in lines of code.
- Architected: The infrastructure for a housekeeping portal to centralize all internal identity management processes, including applications and processes critical to Quarterly Access Reviews.
- Spearheaded: deployment of a micro-service using AWS Lambda and Node.js to manage extraction, processing and deletion or storage of over 16,500 decommissioned accounts from internal CyberArk environment databases, aligning with SOX compliance and audit requirements. Led a team in leveraging Git for version control while employing CI/CD best practices for deployment automation.
- Achieved: the AWS Certified Developer – Associate and CyberArk Trustee certifications, demonstrating mastery of core AWS services, adherence to architecture best practices, and proficiency in development and deployment tools and an understanding of privileged account access management and its critical role in navigating threat landscapes.

Hewlett Packard Enterprise | Spring Intern – VMWare Server Deployment | Bengaluru, India   January 2020 – July 2020
- Implemented: proprietary servers built in-house and ensured high availability of these servers, overseeing deployment, documentation, testing, and support, to improve operational efficiency by 20%.
- Deployed: Servers by employing the VMWare ESXi suite, partnering with various teams, and ensuring high uptime commitment for enterprise, with 99.99999% availability.
- Initiated: and executed design and development of an enterprise SharePoint page, utilizing HTML and CSS to transform enterprise news communication, simplifying maintenance and elevating user engagement.
- Directed: a team in an overhaul of technical training materials, managing development and digitization efforts and achieving an enterprise-scale reduction in manual processes and over 3,500 training material documents.
- Conducted: a highly engaging workshop on content digitization basics and best practices, skillfully mentoring and communicating concepts to over 100 employees, resulting in strategic identification of key areas for improvement.

PROJECTS

Face Mask Detector | Academic Project   August 2020
- Worked closely with a team to design a face mask detection app for webcam video, harnessing PyTorch neural networks, achieving 96% training and 93% testing accuracy by researching trends, and leveraging datasets for face-mask images amid the COVID-19 pandemic.
- Led development of a pipeline to streamline code update and review processes, enabling team members to perform and implement changes more efficiently and fostering a collaborative project environment.