Aishwarya Lakshmi Keshava

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EDUCATION

Santa Clara University, Leavey School of Business   Santa Clara, CA
Masters of Science Candidate, Information Systems Concentration   GPA 3.96   December 2025
- Recipient of the Dean's List of Leavey School of Business, Santa Clara University for the terms Winter 2024, and Spring 2024; First best project award in the In Class pitch competition 2024 of MSIS 2606(Software Project Management) judged by industry panels at Santa Clara University
- Relevant Course Work: Deep Learning, OOPS, Software Project Management, Data Analytics with Python, Machine Learning, and DBMS.

PES University   Bangalore, India
Master of Technology in Computer Science, Specialization in Cybersecurity   GPA 4.00   June 2021
- Achievements: Awardee of MRD (Prof. M R Doreswamy Merit Scholarship) and DAC (Distinction Award Certificate) scholarship issued by PES University
- Relevant coursework: Stochastic Models, Topics in Artificial Intelligence, Network Security, Data Science with R

TECHNICAL SKILLS

Programming Languages: Python, Java, JavaScript, C++, SQL
Analytics: Data Analytics with Python, Excel
Tools: Microsoft Office, JIRA, KPI, OKRs, Jenkins, Selenium, TCP/IP and OSI Model, Software Test Lifecycle, Wireshark, and Network Protocols

EXPERIENCE

RSA Security   Bangalore, India
Software Engineer   June 2021 – May 2023
- Spearheaded the development of threat detection capabilities by leading an internal Security Operations Center (SOC) team in identifying attack vectors and formulating indicators of compromise (IOCs) for log and packet analysis.
- Championed continuous improvement in developing the integration of automation frameworks and unifying the data as configuration (DaaD) framework integrated the Jenkins pipeline, decreasing the overall time for execution of tests by 80%
- Developed the use cases for the new features, and improved the regression use cases.
- Conducted rigorous BAT, Regression, and PSR Testing of product features and upgrade paths for the release candidates

RSA Security   Bangalore, India
Software Engineer Intern   August 2020 - June 2021
- Collaborated with a team of consultants to draft comprehensive plans for all the security use cases and threat-hunting strategies, resulting in secured SOC environment controls by gathering information and analysis.
- Developed automation scripts for existing and new use cases and included them in the CI/CD pipeline
- Analyzed the attack vectors and created a matrix from the findings for malware analysis

Wipro Ltd.   Bangalore, India
Project Engineer   Oct 2017 – Oct 2019
- Developed and managed the Joiner, mover, and Leaver (JML), business process of Identity and Access Management (IAM) solution, and critical plans for the certification cycle, ensuring compliance and accountability.
- Assessed client needs and addressed issues related to role provisioning, access review, policy violations, workflows, certification, account aggregation, and toxic combinations of the identities in the organization utilizing SailPoint IIQ, OKTA

ACADEMIC PROJECTS

'A security use-case based analysis and evaluation of SIEM': RSA NetWitness, an integrated SIEM and security analytics solution, was evaluated against various security use cases for threat detection and response in a sand-boxed environment
'World's Billionaires' Statistics': Analyzed and investigated the distribution of billionaires across regions and industries using data analysis with Python. The data was cleaned/explored and visualized using the Python libraries and a random forest classifier was implemented to predict the labels.
Open-Source Software Project (OSS) for a fictional company - 'CyberSIEM': Challenges related to SLAs and manual efforts by implementing a Selenium automation tool integrated with Jenkins, achieving an 88.16% ROI and reducing time expense per case by 64.17%, from 11.22 minutes to under one minute.
'Bake-acholic' Application: Designed and developed a back-end application using REST API Google Cloud Platform. Zookeeper was used to implement the availability of the system and for configuration management.