

Nishant Arora



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github/nishantarora94



nishantarora94.github.io



Education

Concordia University (Sept 2021- Present)

M.Eng., Software Engineering

SRM University (May 2014 - May 2018)

B. Tech., Computer Science and Engineering;

CGPA: 8.86/10



Skills

Cloud: Azure and AWS

Languages: Java and, Python

Scripting: Shell script and Python

Technologies: Apache webserver, Apache maven, JBoss EAP, Apache Tomcat.

Tools: Jenkins, Terraform, Ansible, TensorFlow.

Version Control: Bitbucket, GitHub

Security Tools: HCL AppScan, OWASP ZAP, OWASP Dependency-check.

SAST: SonarQube and CAST highlight.

OS: Red Hat Enterprise Linux (RHEL) and Windows.

DevOps Practices: CI/CD, Continuous Monitoring, Continuous Testing, IaaS.



Projects

1. JarScanner

A python CLI based automation tool performing the analysis of all the JARs which are bundled as part of the product release artifacts. The main objective of this tool is to find the 3rd party JARs in a project and check if the license has been procured or not.

2. Leveraging Convolutional Neural Networks for Face Mask Detection

use Convolutional Neural Networks (CNNs) to detect whether a person is wearing a face mask. This research used TensorFlow and Keras to build a CNN which detects face masks with an accuracy of over 98% within 10 epochs.

For more projects, please visit: [github/nishantarora94](https://github.com/nishantarora94)



Certifications

- **AZ-104:** Microsoft Azure Administrator by Microsoft.
- **CLF-C01:** AWS Cloud Practitioner by Amazon.
- **Terraform** Certified Associate by HashiCorp.
- **AZ-900:** Microsoft Azure Fundamentals by Microsoft.
- Unisys CloudForte Azure Foundation by Unisys.
- Unisys **DevSecOps** for Software Developers by Unisys.
- Object-Oriented Programming using C++ by NIIT Ltd.



Work

Unisys Global Services India, Bengaluru (IN)

Development Engineer

Feb 2020 – Dec 2021

- Headed the DevOps team for the AirCore project.
- Cut release time by 15% by optimizing the AirCore product release activities for 4.7IC4, 6.0 and 6.1
- Slashed customer escalations by 30% with SaaS implementation using continuous integration, delivery, deployment, testing, and monitoring.
- Developed sizable knowledge of DevOps automation processes for CI and CD systems.
- Migrated the AirCore application from on-prem to Microsoft Azure cloud and implemented Azure native services like Azure App Service, Azure Monitor, Azure Backup and, VM auto-scaling.

Associate Engineer

Jul 2018 - Feb 2020

- Collaborated with a close-knit team to set up JBoss EAP using the Mod Cluster concept in Apache webserver.
- Boosted customer satisfaction by 20% by applying the latest industry-adopted technologies & frameworks.
- Instrumental in fixing security issues in the AirCore application reported by the HCL (then IBM) AppScan tool.
- Responsible for setting up Nexus Repository (GAV) and building connectivity with Azure for project artifacts.
- Involved in Shell scripting and Python scripting for automating the deployment of artifacts using Jenkins.
- Implemented a "GitFlow workflow" branching strategy and automated the code merge and rebase activity in Bitbucket.
- Automated Security testing by integrating OWASP ZAP, OWASP Dependency-Check, and HCL AppScan for the cloud with Jenkins.



Achievements

- Nominated for the Aspiring Leaders Program - Pathfinders, in Unisys at the Asia-Pacific (APAC) Region level for my outstanding performance and leadership skills. I have successfully graduated from the program.
- Awarded Succeed & Creativity Award: Recognition for excellent contribution in AirCore DevSecOps adoption.
- Awarded Succeed & Integrity Award: Recognition for leading DevOps Team with great success.
- Received Spot Award for setting up, owning, maintaining, and automating multiple development Linux platforms.
- Secured 1st position in INNOVATE 2015, the National Level Technical Fest at SRM University.