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# Snehal Gharat

Software Developer

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## EDUCATION

M.Tech	Malaviya National Institute of Technology, Jaipur Computer Science and Engineering	2019 - 2021	8.75 <b>Gold Medalist</b>
B.Tech	Dr. Babasaheb Ambedkar Technological University, Lonere Computer Engineering	2014 - 2018	8.9

## SKILLS

<b>Languages</b>	C++ with STL, Python, Java
<b>Cloud and Containerization</b>	Azure, AWS, Docker, Kubernetes
<b>Infrastructure as Code</b>	Ansible, Terraform
<b>Databases</b>	MySQL, MongoDB
<b>Operating Systems</b>	Linux, Windows 7/8/10
<b>Tools and Technologies</b>	Gitlab, Docker, Okta API, New Relic, GraphQL API, RESTful API
<b>ML Libraries</b>	PyTorch, Tensorflow, Keras, Numpy, OpenCV, Scikit-learn, Pandas

## TECHNICAL EXPERIENCE

**Software Developer** **Sept 2022 — Present**  
Halliburton Development Center Bangalore, India

- Investigated and automated the failover process for Azure NetApp Files (ANF) volumes from primary to secondary during disaster recovery, including post-DR steps, to enhance system resilience and minimize recovery time.
- Automated the migration and updating of Kubernetes Persistent Volume (PV) and Persistent Volume Claim (PVC) mount points from SoftNAS to ANF, ensuring seamless transitions with minimal downtime.
- Implemented Landmark Secrets Management (LSM) to automate the rotation of security credentials in AWS and Azure cloud environments.
- Developed an error notification system using Python and NerdGraph GraphQL API of New Relic, deploying AWS Lambda and Azure Functions via Terraform.
- Developed an automated customer on-boarding system by integrating Okta API with Python and Bash scripting, significantly reducing the workload on the support team by **80%**
- Actively participated in Scrum meetings, collaborating with cross-functional teams to troubleshoot and resolve challenges in software development.

**Team Lead DS365.ai Support, Cloud Support Analyst II** **Aug 2021 — Sept 2022**  
Halliburton Development Center Bangalore, India

- Led a dynamic support team for the "DS365.ai" platform, ensuring high-quality customer interactions and issue resolution.
- Developed and implemented new support strategies, including the creation of comprehensive knowledge base articles, reducing recurring inquiries by **30%**.

## PUBLICATIONS

**MuSTAT: Face Ageing using Multi-Scale Target Age Style Transfer** **CVIP 2023, IIT Jammu**

- Award:** Best Paper
- This work proposes a multi-scale target age-based style face ageing model using an encoder-decoder architecture to generate high-fidelity face images under ageing.
- Proposed using skip connections with selective transfer units (STU) to select and modify the encoder feature and used style information gathered from a random image of the target age group to train the generator.

## MAJOR ACADEMIC PROJECTS

### Content Based Image Retrieval

OpenCV, Tensorflow, Flask, MongoDB

- Created a web app to retrieve images from database similar to the image query (Query-by-image), based on color, texture and shape.

### Text Summarizer

Flask, Numpy, NLTK

- Developed a web app using Python Flask web framework to generate a short summary of textual input using Extractive algorithms implemented using NLTK package.

## RELEVANT COURSES

Docker & Kubernetes: The Practical Guide [2022 Edition] - Udemy  
Ansible for the Absolute Beginner - Hands-on - DevOps - Udemy