(+91) 9975226167
Navi-Mumbai, Maharashtra
gharatsnehal.16@gmail.com

Snehal Gharat

Software Developer

GitHub: snaily16
LinkedIn: snehal-gharat
Website: snaily16.github.io

Education

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

Skills

Languages	C++ with STL, Python, Java
Databases	MySQL, MongoDB
ML Libraries	PyTorch, Tensorflow, Keras, Numpy, OpenCV, Scikit-learn, Pandas
Operating Systems	Linux, Windows 7/8/10
Tools and Technologies	Git, AWS, Azure, Docker, Terraform, Shell scripting, Okta API, New Relic GraphQL API

Technical Experience

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

- 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 regular Scrum meetings, collaborating with cross-functional teams to troubleshoot and resolve challenges in a dynamic software development environment.

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%.

Software Intern **May 2017 — July 2017**
Eklavyaa Summer Internship *IIT Bombay, India*

- Developed and launched the Physics Interactive Animation Creator, a groundbreaking web platform that enabled users to create captivating physics animations with minimal coding; achieved a 40% reduction in animation development time

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

Deep Learning Specialization - DeepLearning.AI, Coursera
Docker & Kubernetes: The Practical Guide [2022 Edition] - Udemy