Slesa Adhikari

Software Developer
slesa.adhikari@gmail.com
slesa.com.np
www.linkedin.com/in/slesaad/
https://github.com/slesaad

Skills

Languages: Python, Javascript, C/C++
Docker, Terraform, AWS, S3, Lambda, ECS, RDS
Scikit, Numpy, Scipy
Django, ReactJS, jQuery, Sass, Leaflet, Cesium
LaTeX , Bash Scripting, Git, Linux
Scrum/Agile methodologies, JIRA

Education

Master's in Computer Science, GPA 3.875
University of Alabama in Huntsville
2018-2020

Graduate Research Assistantship
AAUW International Master's Degree Fellowship
AAUW International Master's Degree Completion Fellowship
Thesis: *Detecting Periodic Action Patterns in Videos*

Bachelor's in Computer Engineering, 78.6%
Institute of Engineering, Pulchowk Campus
2012-2016

Full merit based undergraduate scholarship
Ncell Excellence Award, Ncell Pvt. Ltd.
Ncell Scholarship Award, Ncell Pvt. Ltd.
Graduated top 10 among 700 students

Experience

Computer Scientist II
May 2021 - present

Computer Scientist I
June 2020 - April 2020
NASA-IMPACT | UAH

Worked as a sole owner on a python project from the architecture design phase to package creation phase
Led the frontend team by making design decisions, mentoring and assigning tasks
Designed and implemented the frontend of the NASA Earth Science image labeling tool
Automatic and manual deployment for various products to AWS using CDK, Terraform, Github Workflows, Dockers, etc.
Worked with Neo4j graph database, graphQL, RESTful APIs
Worked on map visualizations, dynamic tiling, Cloud Optimized geotiffs, Shapefiles, etc.

AWS infrastructures, ReactJS, terraform, Neo4j, Docker, Rest APIs, graphQL, Map visualization, Earth Science data - shapefiles, geotiffs, tiling service

Graduate Research Assistant
Global Hydrology Resource Center | NASA/UAH
May 2019 - May 2020

Data processing (python, numpy, zarr, xarray) of various earth science datasets
Optimized rendering speed of 3D web visualization of those large datasets
Created a user palatable interface and experience
Created RESTful APIs and deployed serverless framework to AWS Lambda using Terraform

Cesium, Javascript Python, Numpy, Zarr, Xarray, AWS, Lambda, Terraform, HTML, CSS, Panda3D

Graduate Teaching Assistant
University of Alabama in Huntsville
August 2018 - May 2019

Grading, one-on-one tutoring of students and laboratory instruction

C, Raspberry Pi, ARM

Associate Software Developer
Logic Information System Nepal
November 2016 - May 2017

Design and implementation of data warehousing, reporting and archiving solutions for various international organizations including **Petco** and **Matahari**

Oracle, Teradata, Bash Scripting

Intern
Logic Information System Nepal
January 2016 - September 2016

Design and implementation of a Virtual Reality system that constructed a partial 3D scene from 2D image/s

C++, OpenGL, VR, Android

Grants/Awards

2021	NASA Marshall Innovation Team Award for [MAAP](#)
2021	NASA Marshall Innovation Team Award for [ImageLabeler](#)
2019	AAUW International Master's Degree Completion Fellowship
2018	AAUW International Master's Degree Fellowship
2017	Ncell Excellence Award, Ncell Pvt. Ltd.
2014	Ncell Scholarship Award, Ncell Pvt. Ltd.
2012-2016	Silver Jubilee Scholarship, Indian Embassy.
2010-2012	Mahatma Gandhi Scholarship, Indian Embassy.
2016	Winner, Yomari CodeCamp, Yomari Inc.
2015	Winner, Software Competition in Open Category, LOCUS