



SHREE NEWAS SAPKOTA

DATA
ANALYST
&
MACHINE
LEARNING
SPECIALIST

LINKEDIN

GITHUB

LANGUAGES

- English - Fluent
- Finnish - Intermediate
- Hindi - Intermediate
- Nepali - Native

ACHIEVEMENTS

- Google Cloud Platform Fundamental: Core Infrastructure, Coursera (April 2020).
- Industrial IoT on Google Cloud Platform, Coursera (April 2020).

PROFILE

Shree is a persistent Data Analyst and Data Engineer with a wide range of professional abilities. He is currently pursuing a Bachelor's degree with a major in IoT and Cloud Computing, both of which complement and expand his skillset. Formally, Shree has earned a Bachelor's degree and gained four years of working experience in the field of Social Services, resulting in a strong work ethic and excellent communications skills. His broad knowledge of this field enables Shree to apply his technical expertise to great success, although he is most passionate about exploring other industries and applications. His universal skillset and interpersonal qualities enable him to adapt to new environments and learn quickly to make a valuable contribution.

RECENT PROJECTS

Object Detection App

OpenCV, YOLO v3 Tiny

A project built with a group to train two custom objects and build an application to detect these objects in real-time with the YOLO v3 Tiny model.

Machine Learning applied to a White Wine dataset

Scikit-learn

A group effort with other Machine Learning Engineers. The goal of the project was to contrast the accuracy of different Machine Learning methodologies such as Regression, Classification, and Unsupervised and Semi-Supervised learning with the dataset on different attributes with white wines.

Data Analysis on Bike Sharing Dataset

Pandas, Plotly

As part of a university project, Bike Sharing Data were collected in Washington D.C. from 2011 to 2012, analysed by extracting information from the dataset, and finally visualised by using Plotly.

Data Analysis on all the flights in U.S.A from January 2019 to September 2020

Dask, Plotly Express

The purpose of this group project was to utilize Dask library on a dataset which is over 1.5GB of size and to extract as much information as possible. The main task was to analyse half of the columns of the dataset, which delivered significant findings to encourage further research.

My Personal Website

HTML, CSS

This is an ongoing personal project with the purpose of establishing a comprehensive portfolio website that can demonstrate versatile and solid skill sets as well as establish an appealing personal branding.

SKILLS

Programming Languages: Java, Python.

Data Analysis: Numpy, Pandas.

Data Visualization: Matplotlib, Plotly, Seaborn.

Database Management: SQL.

Machine Learning: Keras, Scikit-learn, TensorFlow.

DevOps / Cloud Services: AWS, Docker, Google Cloud Platform.

Other: CSS, Git, HTML, Linux OS, Networking.

EXPERIENCE

Data Analyst & Machine Learning Specialist

Integrify | Helsinki, Finland | October 2020 - Present

- Demonstrated advanced proficiency in programming with Python and Object-Oriented Programming.
- Performed Data Analysis and Data Visualization on diverse and complex datasets.
- Worked with APIs and performed Web Scraping to create new datasets.
- Managed databases with SQL and PostgreSQL.
- Developed Machine Learning applications with supervised, semi-supervised, and unsupervised algorithms, and dived into Deep Learning and Computer Vision.
- Handled Continuous Integration and Continuous Deployment (CI/CD) of Machine Learning Models with GitHub Actions and Docker.
- Built web-based applications with Python and Streamlit to host Machine Learning models.

Personal Assistant of an Autistic Child

Joonas Merenheimo | Helsinki, Finland | February 2017 - August 2018

- Improved the child's personal skills by tending to him and providing special care as needed.
- Coordinated numerous events for the child along with his parents to enhance his mental health and wellness.

Fundraiser

Finnish Red Cross | Helsinki, Finland | February 2017 - November 2017

- Organized face-to-face fundraising events that aimed to increase the brand awareness.
- Engaged in direct communications with potential donors to represent the brand and secure more funding.

Child Caregiver

English International School of Tampere Oy | Tampere, Finland | January 2016 - August 2016

- Planned occasional events to ensure the children's wellbeing and happiness at the kindergarten.
- Actively assisted the teachers in child caring and preparing teaching materials.

EDUCATION

AWS Certified Cloud Practitioner

AWS re/Start & Integrify Academy | Helsinki, Finland | April 2021 - Present

B.Eng. in Information Technology majoring in IoT and Cloud Computing

Metropolia University of Applied Sciences | Espoo, Finland | August 2018 - Present

B.S.S. Bachelor's Degree in Social Services

Diconia University of Applied Sciences | Helsinki, Finland | August 2011 - October 2015

Proficiency Certificate Level, Major - Mathematics

Tribhuvan University | Kathmandu, Nepal | May 2007 - December 2009