



Nishadi Sasanthika

Computer Science-Undergraduate

Driven by a profound fascination with technology, I blend technical expertise, leadership capabilities, and clear communication skills to excel in problem-solving and innovation. I'm an enthusiastic and imaginative individual eager to design, build, and optimize impactful solutions.

CONTACT

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- linkedin.com/nishadi-sasanthika
- github.com/NishadiSS
- Youtube.com / CodeNish
- Portfolio

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

- Python
- Java
- C#

DATA MANAGEMENT SYSTEM

- MySQL
- Microsoft SQL Server
- PostgreSQL

DATA WAREHOUSING

- Azure Data Factory
- SSIS

DATA VISUALIZATION TOOL

- Microsoft Power BI

WEB DEVELOPMENT

- HTML/CSS/JavaScript
- Django
- SpringBoot

VERSION CONTROL SYSTEM

- Git



EXPERIENCE

Software Engineer Intern

Optimize Solutions (PVT) Ltd, Colombo, Sri Lanka
August 2024 – February 2025 (6 Months)

- Developed responsive web applications (ReactJS, Tailwind CSS, NodeJS) and optimized database queries (MySQL).
- Gained full-stack exposure, contributing to various real-world projects, and enhanced debugging, teamwork, and communication skills.

Data Analyst Intern

MeriSKILL - India
March 2024 - April 2024 (1 month)

- During my 1-month data analyst internship at MeriSKILL, I gained hands-on experience in data analysis.
- I worked on two projects: a diabetes prediction system and a sales data analysis dashboard design project.



EDUCATION

University of Kelaniya-Sri Lanka | 2021-Present

Faculty of Computing & Technology
Bachelor of Science (Hons) in Computer Science
Specialized in Data Science
Final Year Undergraduate Student

Sanghamitta Girl's College, Galle | 2016-2019

G.C.E. Advanced level - Maths Stream (2019)
Combined Mathematics – B
Chemistry – B
Physics – C



CERTIFICATES & BADGES

Certificate in English Language

The Beeline English Academy, Sri Lanka
Sep.2019 - Feb.2020

Certificate in Python Programming Language

LinkedIn Learning Academy | Online
Nov.2023 - Dec.2023

Badge in Natural Language Processing

Free and Open-Source Software Community, University of Kelaniya.

DESIGNING

- Canva
- Figma

OTHERS

- Data Warehousing
- Deep learning
- Machine Learning
- Data Structures & Algorithms
- Natural Language Processing
- Statistics
- OOP Concepts



SOFT SKILLS

- Analytical & Problem Solving
- Self & Past Learning
- Time Management
- Multi Tasking



LANGUAGES

- English
- Sinhala



REFEREES

• Dr.Navodi Mekhala Hakmanage

Lecturer (Statistics)

Department of Computer Systems

Engineering,

Faculty of Computing and Technology,

University of Kelaniya

☎ Phone: 070 5777658

✉ Email: navodim@kln.ac.lk

• Prof. N G J Dias

Senior lecturer,

Department of Computer Systems

Engineering,

Faculty of Computing and Technology,

University of Kelaniya

☎ Phone: 0777747423

✉ Email: ngjdias@kln.ac.lk



PROJECTS

• Transformer-Enhanced Virtual Try-On with Color Customization.

An AI-powered virtual try-on system, which featured a Transformer-enhanced Generative Adversarial Network (GAN) for photorealistic image synthesis. This project also involved implementing dynamic color customization and a rule-based size recommendation tool. The system achieved superior image fidelity, evidenced by SSIM of 0.749 and LPIPS of 0.218.

(Python, PyTorch, TorchVision, Flask, React, NumPy, Pillow, and Matplotlib.)

• Cats & Dogs Classifier Project

A Convolutional Neural Network (CNN) to accurately classify images of cats and dogs, achieving high accuracy through data augmentation and hyperparameter optimization.

(Python, Tensorflow, Keras, Numpy, Pandas, OpenCV, Scikit-learn, Matplotlib)

• Ecommerce Web application

A responsive e-commerce platform featuring an intuitive interface, detailed product catalog, and secure shopping cart with a streamlined checkout process.

(Python(Django), HTML, CSS, Bootstrap)

• Sentiment Analysis Project

A sentiment analysis model using natural language processing and deployed it with a Flask web application, allowing users to analyze and visualize sentiment from text input in real-time.

(Python, Flask, NLTK, TextBlob, Pandas, Numpy, HTML, CSS)

• Sales Data Analysis Dashboard

A sales data analysis dashboard to visualize trends, top-selling products, revenue metrics, and geographic sales distribution, enabling enhanced business decision-making.

(Power BI, Excel, SQL, DAX, Power Query)



EXTRA-CURRICULAR ACTIVITIES

• Computer Science Student Association, University Of Kelaniya



Member | 2021-present

Vice President of Delegates team - IdeaForge OC

• ISACA Student Group, University Of Kelaniya



Member Of Editorial Team | 2024

Member of Program & Logistics team - CyberZee'24 OC

• IEEE Student Branch, University Of Kelaniya



Member of Program & Logistics team - Code Quest 24' OC

• Content Creator



CodeNish | YouTube