Nethmi De Silva

✉ nethmidworks@gmail.com   📞 +94765388741

📍 Kandawala Road, Ratmalana.   🔗 Nethmi De Silva   ⬡ Nethmi De Silva

🪪 PROFILE

Motivated and detail-oriented undergraduate with a strong foundation in computer science and a keen interest in technology, data analysis, and software development. Skilled in problem-solving, logical thinking, and collaboration, with hands-on experience in academic projects, team activities, and self-driven learning. Possesses a growing proficiency in programming languages, web development, databases, and analytical tools. Adaptable and eager to learn new technologies and contribute to dynamic team environments. Seeking to gain practical experience and apply academic knowledge in a real-world setting through an internship opportunity.

🎓 EDUCATION

Bsc (Hons) Computer Science,   2022 – present
General Sir John Kotelawala Defence University ⬀

GCE Advanced Level(Physical Science Stream),   2017 – 2020
Rippon Girls College, Galle.

🧠 SKILLS

Programming Languages
Java, Python, C++, R ,SQL, PHP

WebDevelopment
HTML, CSS, JavaScript, React

Databases
MySQL, Microsoft SQL Server, MongoDB.

Data Analysis and Visualization
Pandas, NumPy, Matplotlib, Seaborn, PowerBI.

Computer Vision and Image Processing
OpenCV,MediaPipe,Dlib.

Concepts
OOP, Data Structures, SDLC, Agile, Advance Statistics,Machine Learning, Feature Engineering.

Tools & Platforms
GitHub, Jupyter Notebook , Google Colab,Visual Studio Code Rstudio, Azure Data Studio,Figma.

Machine Learning and Data Science
Scikit-learn, Tensorflow, PyTorch,Keras.

Project Management
Jira

Soft Skills
Problem Solving, Critical Thinking, Teamwork, Time Management, Continuous Learning, Adaptive

📁 PROJECTS

Machine Learning-Based Analysis of Vocal Cord Dysfunction for Thyroid Disease Detection, Final Year Research project(In Progress)
Technical skills: Machine Learning, React,Python

Safe Driving, Eye Detection , and Drowsiness Detection, Detect eyes and analyze the Eye Aspect Ratio(EAR) to determine if a person is drowsy, sleepy, or sleeping based on facial landmarks. ⬈
Technical Skills: OpenCV,Dlib,SciPy,NumPy

Skiny, Skin-Oiliness Detection, Detecting oiliness on the face using image processing recommend remedies according to skin type,trained VGG16-based CNN model on image data to classify skin types with Tensorflow and Keras.
Technical Skills: Image Processing and Computer Vision(TensorFlow, Keras),Python.

FITTO, Online Fitton Room for virtual dress accessories fitting, enhancing user confidence and streamlining shopping experiences through interactive customization.
Technical Skills: React, Firebase, HTML ,CSS, JavaScript, DeepAR, Figma.

Powered Conway's Game of Life, LifeThis system used parallel processing with CUDA, C/C++, and ANSI escape codes to simulate dynamic, real-time cellularautomaton patterns, creating efficient and colorful terminal-based visuals that demonstrate complexity from simple rules.
Technical Skills: C++, CUDA.

🏅 CERTIFICATES

Python Essentials ⬈ — Cisco

Introduction to Data Analytics ⬈ — IBM (2025)

Supervised Machine Learning Regression and Classification ⬈ — DeepLearning.AI(2025)

IT Essentials ⬈ — Cisco(2024)

Introduction to Networks ⬈ — Cisco(2023)

🧩 VOLUNTEERING

BCS Student Chapter - Kotelawala Defence University,
publicity team ⬈   2022 – 2023

WIE Affinity Group of IEEE Student Branch of KDU, publicity team ⬈   2023 – 2024

IEEE Computer Society of KDU, Program Team ↗   2023 – 2024

Senior Prefect, Rippon girls' college   2017 – 2018

⚛ REFERENCES

Dr. BVKI Vidanage, *Senior Lecturer Grade II,* Kotelawala Defence University
vidanage_bvki@kdu.ac.lk, +94713543786

Ms. SM Manusha Lakmali, *Lecturer,* Kotelawala Defence University
lakmalismm@kdu.ac.lk, +94712766527