




SHANIKA DILRUKSHI

Machine Learning Engineer Intern

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PROFILE

I am a active learner with a strong passion for data analysis, machine learning, and artificial intelligence. Committed to continuous improvement, I leverage my skills in model training, data visualization, and innovative problem-solving to extract valuable insights and support data-driven decision-making. My expertise includes both supervised and unsupervised learning algorithms, as well as proficiency in tools such as OpenCV, Power BI, and Tableau.

EDUCATION

BSc Honors in Computing and Information Systems 2022 - Present

Sabaragamuwa University of Sri Lanka

G.C.E Advanced Level 2017-2020

Swarnapali Girls national collage

Physical science stream

PROJECTS

Loan status prediction ml model

In this project, I used supervised learning with a logistic regression algorithm to predict the status of loans.

Jupyter notebook, Python, numpy, pandas, matplotlib

Diabetics prediction ml model

In this project, I Developed a machine learning model for diabetes prediction using supervised learning and the Support Vector Machine (SVM) algorithm.

Jupyter notebook, Python, numpy, pandas, matplotlib

Chronic kidney diseases identification system

In this project I Built a logistic regression model for chronic kidney disease prediction, saved in an H5 file. Integrated with a Flask backend and a clean HTML/CSS frontend to provide users with a streamlined, interactive experience for disease diagnosis.

Jupyter notebook, Python, numpy, pandas, matplotlib, kaggle, ResearchGate, flask, HTML, CSS

Self Learning ChatBot

In this project, I developed a self-learning chatbot that can continuously learn from interactions. When we teach the bot something new, it adapts and incorporates that knowledge into future conversations.

Python, json

Tableau projects

HR dashboard

Car sales Dashboard

Datascience job salaries

Power BI projects

Amazon prime video content

CERTIFICATION

SLIIT AI/ML Engineer stage i,ii

Python for Machine Learning

Support Vector Machine

Linear Regression

KNN and Naive Bayes Algorithm

Statistics for Machine Learning

AWS Image Processing

Introduction to Scikit Learn

XGBoost

Centre for Open and Distance Education - SLIIT

Coursera

Great Learning Academy

Great Learning Academy

Great Learning Academy

Great Learning Academy

Great Learning Academy

Great Learning Academy

Great Learning Academy

TECH SKILLS

Programming Languages and web technologies

Python,Java,C,PHP,J,Html,CSS,JavaScript

Frameworks and libraries

ReactJs, Tensorflow,Iaravel,Pandas,Numpy

Databases

MySQL, MongoDB

Technologies and Tools

Git, Figma,Power BI,Tableau,Jupyter notebook

Project Management

Trello

SOFT SKILLS

Teamwork

Creativity

Leadership

Public speaking

Communication

Innovative thinking

Problem solving

Decision making

ACHIVEMENTS

Finalist – TechX(AI Ideathon)

2023

Organized by IEEE Computer Society Sri Lanka Chapter

Finalist – Aurora (AI Ideathon)

2024

Organized by the Computer Science Association, University of Sri Jayewardenepura

Top 4 Women Entrepreneurs – SheLeads

2024

Organized by Leo Club of University of Sri Jayewardenepura

Semi Finalists Idealize

2024

Organized by AIESEC in University of Moratuwa

REFERENCES

Miss.Miuli Kalubowila

Founder - Generation ALPHA

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Mr. Amila B. Gunerathne

Associate Software Engineer

Kerk Solutions (Yours)

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