

THEEKSHANA NADUN



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Profile Summary

As a highly motivated software engineering undergraduate with a strong foundation in programming, machine learning, data analytics, and natural language processing, I am dedicated to solving complex problems and driving innovation. With hands-on experience in developing prediction models, creating dynamic portfolios, and working on real-world projects, I strive to harness data's power effectively. My commitment to continuous learning and staying updated with the latest technological advancements ensures that I can adapt and excel in fast-paced environments.

Areas of Expertise

- Machine Learning Algorithms
- Data Analysis & Visualization
- Natural Language Processing (NLP)
- Predictive Analytics
- Data Engineering with Hadoop & Spark
- Statistical Modeling
- Programming Languages (Python, C, C#, Java, R)
- Database Management (SQL, MongoDB)
- Cloud Computing Tools (AWS, Azure)
- Version Control
- Problem Solving & Debugging
- Data-Driven Decision Making
- ML DevOps
- Big Data Frameworks
- Communication and Collaboration
- Project Management

Education

Bachelors of Information Technology (Hons)

ESOFT Metro campus

Present

Supervised Machine Learning: Regression and Classification Online, Information Technology

Stanford University

Sep 2024

Virtualization, Docker, and Kubernetes for Data Engineering Online, Information Technology

Duke University

Sep 2024

Mathematics for Programming and Computer Disciplines

SLIIT

May 2021

G.C.E. Advanced Level Examination

K. Peradeniya Central College

2020

G.C.E. Ordinary Level Examination

K Naranvita Junior School Gampola

2017

Certifications

Advanced Certificate in Software Development

IBA Campus

Advanced Certificate in Web Development (NVQ4)

IBA Campus

AI Foundations for Everyone Specialization

IBM

Bridging Program for Computing Disciplines and Mathematics for Programming

SLIIT

Building AI Applications with Watson APIs

IBM

Building AI Powered Chatbots Without Programming

IBM

Data Analysis with Python

IBM

Developing AI Applications with Python and Flask

IBM

Extract, Transform, and Load Data in Power BI

Microsoft

Exploring Emerging Technologies for Lifelong Learning and Success

The State University of New York

Generative AI: Introduction and Applications

IBM

Generative AI: Prompt Engineering Basics

IBM

Generative AI Applications and Popular Tools

Edureka

Google Cloud Fundamentals: Core Infrastructure

Google

Harnessing the Power of Data with Power BI

Microsoft

IBM AI Developer Specialization

IBM

IBM Applied AI Specialization

IBM

Introduction to Artificial Intelligence (AI)

IBM

Introduction to Data Analytics

IBM

Introduction to NoSQL Databases (MongoDB, Apache Cassandra)

IBM

Natural Language Processing on Google Cloud

Google

Preparing Data for Analysis with Microsoft Excel

Microsoft

Python for Data Science, AI & Development

IBM

Student Ambassadors Technical Training

Microsoft

Supervised Machine Learning: Regression and Classification

Stanford University

Virtualization, Docker, and Kubernetes for Data Engineering

Duke University

Projects

Spendy.AI | 2024 Aug – Present

A smart tool designed to help users manage their expenses more effectively. Users can input data as text or voice messages, and the system automatically classifies the data and stores it in the database using Natural Language Processing (NLP). Additionally, the tool provides spending alerts and personalized recommendations based on spending patterns and geographical location.

BCancer – Breast Cancer Prediction Model | Nov 2024 – Dec 2024

Developed a prediction model using machine learning techniques to assist in early breast cancer detection with improved diagnostic accuracy.

CNN Digit Recognizing Model | Nov 2024 – Nov 2024

Created a convolutional neural network to classify handwritten digits with high accuracy.

Dynamic Portfolio | Jul 2024 – Aug 2024

Built an interactive and responsive personal portfolio using modern web development frameworks.

Ceylon Happens | Feb 2024 – Jul 2024

Designed and implemented a digital platform to streamline event management processes.

Laundry Lounge | Jul 2023 – Aug 2023

Developed a web-based application for automating laundry service operations.

Professional Memberships

IEEE (Institute of Electrical and Electronics Engineers)

Student Member (Nov 2024 – Present)

Soft Skills

- Critical Thinking and Problem-Solving
- Adaptability and Resilience
- Effective Communication
- Team Collaboration and Leadership
- Analytical Thinking
- Time Management and Multitasking
- Attention to Detail
- Creativity and Innovation
- Conflict Resolution
- Decision-Making under Pressure

Achievements

- Successfully developed and deployed multiple machine learning and big data models.
- Recognized for academic excellence in software engineering coursework.

Languages

- **English** – Advanced
- **Sinhala** – Native

References

Mr. Kavindu Chethiya Yakupitiya

MSc in Cyber Security
Lecturer at University of Sri
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Ms. Christina Dissanayake

MSc in Digital Marketing
Former Social Media Specialist at Bally's
Casino Colombo
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