



MEDHAVI PINSARA

Undergraduate | Web Developer | AI & ML Enthusiast

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PROFILE

I am a highly motivated and diligent final-year Computer Science student at the University of Kelaniya with a strong academic record and experience in web development, deep learning, and data science. I am passionate about applying technical skills to solve real-world problems and eager to gain industry experience through an internship.

EDUCATION

Bachelor of Science Honors in Computer Science

University of Kelaniya, Sri Lanka

July 2021 – Present

Current GPA: 3.9

Expected Graduation: February 2025

G.C.E. Advanced Level - 2020

Anula Vidyalaya, Nugegoda

Combined Mathematics – B Physics – B Chemistry – C

TECHNICAL SKILLS

Programming Languages: Python, Java, C, JavaScript

Web Development: HTML, CSS, React, Node.js

Data Manipulation & Analysis: Pandas, NumPy

Machine Learning: TensorFlow, Keras

Other Tools: Git, Postman, SQL

PROJECTS

Web Development

Full-Stack Project: MERN stack - A Venue Management System for Sri Dharmaloka Hall of University of Kelaniya

- Technologies: MongoDB, Express.js, React, Node.js, HTML, CSS, JavaScript

Repository: [DharmalokaHall](#)

Research Project (Ongoing)

Predicting Generalized Anxiety Disorder Using Multimodal Deep Learning on Speech Features

- Developing a model to predict the depression/anxiety level of a person based on audio input.
- Utilizing speech features and deep learning techniques for model development.

Data Science (Ongoing)

Predictive Analysis of Bank Marketing Campaigns

- Analyzing a dataset related to bank marketing to determine factors influencing term deposit subscriptions.
- Applying various machine learning algorithms for prediction and analysis.

Deep Learning Projects

1. *Sinhala Character Recognition System using Convolutional Neural Networks (CNN) - Two Characters*

- Created a CNN model to recognize and classify Sinhala characters.
- Preprocessed image data and trained the model to achieve high accuracy.

Repository: [Miniproject01](#)

2. *Stock Price Prediction System using LSTM Recurrent Neural Networks*

- Developed an LSTM model to predict stock prices based on historical data.
- Utilized time-series data and fine-tuned the model for optimal performance.

Repository: [Miniproject02](#)

3. *English to Sinhala Translation System using Transformer Neural Networks*

- Implemented a Transformer-based neural network for translating English text to Sinhala.
- Preprocessed and tokenized text data for model training and evaluation.

Repository: [Miniproject03](#)

PERSONAL SKILLS

- Strong problem-solving
- Effective communication
- Team collaboration
- Leadership
- Time management
- Adaptability

EXTRA-CURRICULAR ACTIVITIES

- Captain of the women's chess team for the year 2022/2023, University of Kelaniya (Member of the Women's team since 2021)
- Karate Brown belt holder

CERTIFICATIONS & AWARDS

Award of Colors Insignia

- Awarded Colors Insignia for Performance in Chess (2021/2022) - University of Kelaniya

REFERENCES

Dr. S.P. Pitigala

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Faculty of Science, University of Kelaniya

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