Bhashitha Mendis

BSc Eng Hons, Computer Science & Engineering
University of Moratuwa

Contact

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- https://bhashitha99.github.io/portfolio/

Skills

- **Programming Languages**: Python | Java | C++ | JavaScript | PHP | HTML | CSS
- **Technical Fields**: Machine Learning | Full Stack Development | Computer Vision | AI | NLP | LLM
- **Databases:** MySQL | MongoDB
- **Tools & Services:** Git | VS Code | Google Colab | Postman | Docker
- **Frameworks:** Flask | ReactJS | Node.js | Express.js

Highlights

- **Merit Pass - GCE A/L :** Island Rank : 99
- **uMORA mathematics competition :** merit award | 2020
- **Director of Public Relations of Drama Society**
- **Member of IEEE**
- **Project Demonstrator :** Presented and demonstrated projects at EXMO 2023
- **Seminar Instructor** : The Electronic skill enhancement workshop for ICT teachers in Ambalangoda Division
- **Seminar Instructor** : Volunteered in the "Soyuru Sathkara-2023"
- **Stage Drama :** Volunteered as an actor in two university stage dramas
- **Sports** : Basketball, Carom, Swimming

About Me

Motivated Computer Science Engineering undergraduate specializing in Data Science Engineering. Skilled in creating scalable web applications, optimizing user experiences, and integrating modern technologies. Proficient in software development, data analysis, and applying Machine Learning and AI techniques. Passionate about designing innovative solutions to tackle real-world challenges while delivering value-driven and efficient systems.

Education

BSc Eng Hons, Computer Science & Engineering
University of Moratuwa   2021 - Present
Specializing in Data Science & Engineering | CGPA : 3.19

G/Dharmasoka College, Ambalangoda   2005 - 2019
- G.C.E A/L 2019: 3A Passes (Physical Science Stream) | Island Rank : 99
- G.C.E O/L 2015: 7A , 1B, 1C

Certifications

- Machine Learning for Natural Language Processing - AWS Academy (cert)
- Feature Engineering - Kaggle (cert)
- Time series forecasting - Kaggle (cert)

Experience

                                                         2024 Jan - 2024 Jul
Kingslake Software Company
Software Engineering Intern
- Contributed to AI and backend development across three major projects.
- Developed a garment sketch detection system using machine learning techniques.
- Assisted in creating an HR management solution to streamline processes.
- Supported the development of a parcel tracking system for logistics optimization.

Projects

GNN for Bus Arrival Time Forecasting across multiple routes in urban transportation networks (Ongoing)   2024 May - Present
- Final year research focused on developing a graph neural network-based model to predict bus arrival times, leveraging spatial and temporal data for enhanced accuracy
- **Tech stack :** *Graph Neural Network (GNN), LSTM, GRU, Python*

Languages

- **English**
- **Sinhala**

INTERESTS

- **Full-stack Development**
- **Backend Development**
- **Machine Learning**
- **Computer Vision**
- **Data Science**

Soft-Skills

- **Team Work**
- **Decision Making**
- **Communication**
- **Leadership**
- **Multitasking**

Reference

Dr. Thanuja D. Ambegoda
Senior Lecturer Department of Computer Science & Engineering Faculty of Engineering, University of Moratuwa, Sri Lanka.
+94 70 265 5273
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Mr. Laksiri Fernando
Vice President – Cognitive Computing
Kingslake Engineering Systems (Pvt) Ltd.
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Parcel tracking system (Intern Project at Kingslake Software Company)
2024 Jun - 2024 Jul

- A web-based tool for tracking and managing parcels, streamlining handovers, and enhancing transparency with automated notifications and detailed documentation
- **Tech stack : *Angular, HTML, CSS, Node.js, Express.js, MySQL***

Garment Sketch Detection System (Intern Project at Kingslake Software Company)
2024 Jan - 2024 Apr

- Developed an AI-driven computer vision system using deep learning to retrieve similar clothing sketches. Enabled precise similarity assessments, enhanced style identification, and integrated tools like background removal, supporting efficient design processes and real-time performance in the apparel industry
- **Tech stack : *ReactJS, HTML, CSS, Flask, Python, MongoDB, CNN, Computer vision***

Real-Time Human Activity Detection
2023 Aug - 2023 Nov

- Designed a scalable computer vision platform for real-time human detection and activity classification from CCTV footage under low-light conditions. Leveraged advanced image processing and machine learning techniques to ensure accurate detection and classification in challenging lighting environments.
- **Tech stack : *Computer vision, CNN, LSTM, Python, Flask***

Human Resource Management System
2022 Oct - 2022 Dec

- Developed a Human Resource Management System to automate and streamline HR processes, improving workforce management efficiency, accuracy, and data handling for tasks like employee records, attendance, payroll, and performance tracking.
- **Tech stack : *HTML, JavaScript, CSS, PHP, MySQL***

Email Client
2022 Jun - 2022 Aug

- Developed a Java-based command-line email client for sending emails to official and personal recipients. Features included automated birthday greetings, recipient management via file handling, email serialization, and retrieval of sent emails based on specified dates
- **Tech stack : Java**