Bhashitha Mendis

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👤 About Me

Motivated Computer Science Engineering undergraduate specializing in Data Science Engineering. Proficient in machine learning, full-stack development, software solutions, artificial intelligence, and data analysis. Passionate about leveraging data-driven solutions to address real-world challenges and drive innovation.

🧩 Skills

- **Programming Languages**: Python | Java | C++ | JavaScript | PHP | HTML | CSS
- **Technical Fields**: Machine Learning | Full Stack Development | Computer Vision | AI | NLP | LLM | Quality Assurance
- **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**
- **uMORA mathematics competition :** merit award | 2020
- **Director of Public Relations of Drama Society**
- **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-stage dramas
- **Sports** : Basketball, Carom, Swimming

🎓 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

Kingslake Software Company   2024 Jan - 2024 Jul
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, LSTM, GRU, Python*

parcel tracking system   2024 Jun - 2024 Jul
(Intern Project at Kingslake Software Company)
- 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   2024 Jan - 2024 Apr
(Intern Project at Kingslake Software Company)
- Developed a computer vision-based system to retrieve visually similar clothing sketches from a database, enabling accurate similarity assessments for dress production.
- **Tech stack :** *ReactJS, HTML, CSS, Flask, Python, MongoDB, CNN, Computer vision*

Real-Time Human Activity Detection   2023 Aug - 2023 Nov
- Developed a computer vision-based platform for real-time human detection and activity classification under low-light conditions using CCTV footage.
- **Tech stack :** *Computer vision, CNN, LSTM, Python, Flask*

Human Resource Management System   2022 Oct - 2022 Dec
- Designed to streamline and automate HR processes, enhancing efficiency and accuracy in workforce management
- **Tech stack :** *HTML, JavaScript, CSS, PHP, MySQL*