

SHESHAN HERATH

ABOUT ME

As an adaptable, enthusiastic, and result-oriented individual, I'm a Computer Science Student dedicated to learning and applying fundamental concepts in the world of technology. I'm looking to explore programming languages and gain hands-on software experience.

EDUCATION QUALIFICATION

B.Sc.(Honours) Degree in Physical Science ICT and Electronics & Embedded Systems

University of Sri Jayewardenepura - 2020 - Present

GCE ADVANCED LEVEL -2019

Wayamba Royal College

Mathematics - B, ICT - B, Physics -S

Certificate Course in Human Resource Management (English)

Open University of Sri Lanka (OUSL with) - 2019

Research: Job requirements of alpin Garment Daldagama, Kurunagala

PROFESSIONAL EXPERIENCE

Trainee Project Managing officer-ASEVENT Company
[2023-2024]

Data analyst-Samsung
[2024-Present]

PROJECTS

DEMAND FORECASTING WITH DEEP LEARNING : INTEGRATING SALES TRENDS AND INFLUENTIAL

Conducted research on Demand Forecasting in Samsung, developing a predictive model to forecast sales.

DYNAMIC SPORTS PERFORMANCE ANALYSIS USING ML, PYTHON, OPENCV, AND MEDIAPIPE

The project involved real-time tracking and calculation of joint angles (e.g., knees, hips, shoulders, elbows) and torso alignment and a plotting system to analyse motion efficiency and standard angle ranges for athletes.

HOME AUTOMATION SYSTEM USING IOT

The system utilized ESP32 microcontrollers, various sensors, and Firebase for real-time data communication. A React-based website was integrated to enhance convenience, energy efficiency, and security in smart homes.



CONTACT

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SKILLS

Soft Skills

- Project Management
- Event Management
- Leadership

Programming knowledge Areas

- HTML/CSS
- JavaScript
- Java
- Python
- R

Frameworks & Tools

- React JS
- Material UI
- Angular
- Figma
- GitHub

Other

- MongoDB
- MySQL
- Linux(Ubuntu)

EXTRACURRICULAR ACTIVITIES

- Treasure of Student Council of the Faculty of Applied Sciences at the University of Sri Jayewardenepura.(2021-2024)
- Member of Leo club.
- Member of Taekwondo team.

REFERENCE

Dr. W.K.I.L Wanniarachchi Senior Lecturer, Department of Physics, Faculty of Applied Sciences, University of Sri Jayawardenepura. Tel: +94 71 359 5046, +94 112758889 Email: iwanni@sjp.ac.lk

Dr. Ravindra De Silva Head, Department of Computer Science University of Sri Jayewardenepura Phone- +94777464000 Email- ravi@sjp.ac.lk

PASSWORD STRENGTH CHECKER WITH MACHINE LEARNING **TECHNOLOGIES USED: PYTHON, MACHINE LEARNING**

classifying passwords as weak, moderate, or strong based on their composition.

SELF-BALANCING ROBOT PROJECT **TECHNOLOGIES USED: ARDUINO, C++, SENSORS, MOTORS**

Developed a self-balancing robot with real-time motion control, obstacle detection, and autonomous navigation. Implemented sensor fusion, PID control, and motor driver interfacing for dynamic balance.

BARBER SHOP WEBSITE **TECHNOLOGIES USED: HTML, CSS, JAVASCRIPT**

Designed and developed a modern website for a barber shop with a sleek, user-friendly layout. Enabled online booking, service viewing, and shop information

ARDUINO-BASED AUTOMATIC RIVER CLEANING BOAT **TECHNOLOGIES USED: ARDUINO, C/C++**

Developed an Arduino-based river-cleaning boat with sensors for debris detection and environmental monitoring. Programmed microcontroller operations and implemented real-time data collection