



Contact

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Mamwatha kolonnawa

Linked in - Dilshad naleem

Git Hub

<https://github.com/DilshadNaleem>

Website

<https://dilshadnaleemportfolio.vercel.app>

Skills

Programming: Java, Python, C#,

PHP, JavaScript, C++

UI/UX: ReactJS, HTML, CSS,

Tailwind CSS, Figma

Frameworks: Spring boot, Flask,

React, Java Servlet, ASP.NET

Quality Testing: Manual Testing,

Junit, Mockito, Postman

Technologies: Git, GitHub,

RESTful APIs, JSON, JUnit,

Mockito, Docker, AWS cloud

AI & ML: CNN, Scikit-learn,

TensorFlow, Random Forest,

XGBoost, Neural Network,

Machine Learning

Language

English (Fluent) Sinhala (Fluent)

Tamil (Fluent)

Dilshad Naleem

Intern Software Engineer

Software Engineering student with a strong foundation in full-stack development** and object-oriented programming. Skilled in Java, Python, C#, Spring Boot, React, and Flask, React, Manual & Automation Testing. Experienced in building web applications, Mobile Application and AI-powered systems. Eager to apply technical skills to real-world projects.

Flagship Projects

Aura Reel

[GitHub Repository](#)

Designed and developed a full-stack AI system for video analysis, face detection and face swapping based on client preferences.

- Built scalable RESTful APIs using Spring Boot and Flask to handle video uploads, processing requests, and result delivery.
- Integrated InsightFace and OpenCV for high-accuracy face detection, feature extraction, and matching in video frames..
- Implemented custom face-swapping model that replaces target faces in videos with client-selected images while preserving lighting, expressions and motions.
- Developed user friendly React dashboard for video upload, face selection, swap customization, and output preview.
- Engineers pipeline from video to final video generation with seamless visual integration.
- Enhanced processing speed through frame sampling, parallel processing, and efficient model inference, reducing turnaround time by 40%.

Alcura Health AI

[GitHub: Spring Boot Module](#) | [GitHub: Flask Module](#)

Designed and Implemented an Intelligent healthcare platform integration AI, biometric Security, and emergency response systems web socket Integration.. Using Java Spring Boot, Python Flask, Random Forest, Scikit learn, MYSQL, HTML, CSS, JavaScript and SQL.. Including literature review document.

- Built Restful APIS with Spring Boot patient data management, appointment, scheduling, Model Management and AI result Delivery.
- Developed flask microservices for machine learning diagnostics using Random Forest to analyze medical and disease data..
- Implemented biometric authentication and WebSocket integration for instant emergency alerts and real-time doctor-patient communication.
- Voice Accessible UI for Emergency situation to locate the real time location..
- Performed comprehensive testing, including manual testing, automation testing with JUnit and Mockito and API testing using Postman to ensure software reliability and functionality.

Gym - Mobile App - Freelancing

[GitHub Repository](#)

Developed full-featured gym management mobile application to streamline operations for a local gymnasium using Java and Android Studio with SQLite database.

- Implemented member management modules for adding new members, tracking returning members and managing membership renewals.
- Designed profit loss management dashboard with visual analytics for revenue tracking with auto reminders

HepatoPath - Cirrhosis Prediction

[GitHub Repository](#)

Full Stack Web Development with entire web Application using spring boot, thymeleaf and python. Predict Cirrhosis, Manage Models with analytics with 2F verification, Reset Password.

Education

12-2019 | **Ordinary Level (O/L)** | Henry Olcott Maha vidyalaya

08-2021 | **Advanced Level (A/L)** | Private Candidate

2022-2024 | **HD in Software Engineering - Merit** | ICBT CAMPUS

2024-2025 | **BSC in Software Engineering - First Class** | ICBT CAMPUS

2025 | **AWS Student Course** | AWS Platform

Other Experience

Sales Representative 2020 - 2021 Cargills Ceylon

Sales Executive 2021-2022 Stone N String