

SALIHA ZIYARD

SOFTWARE ENGINEER

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[linkedIn](#)

[gitHub](#)

SKILLS

Java | Python | Dart | R | React | Flutter | MySQL | MongoDB | JavaScript | SCSS | Typescript | Tailwind | Bootstrap | MaterialUI | Flask | Scikit-learn | Git | Postman | Firebase | Redux | Figma | ML Libraries

WORK EXPERIENCE

Loonslab (Pvt) Ltd (Aug 2023 - Aug 2024)

Trainee Software Engineer

Technology Stack - React, Material-UI, Microservice Architecture, PostgreSQL, Keycloak, RESTful API

Swastha

- Improved system usability and efficiency with a responsive React and Material-UI interface, ensuring alignment with business needs through effective client communication—enhancing stock management and healthcare operations for Sri Lanka's Health Ministry across over 1,000 hospitals nationwide.

VPA

- Enhanced system efficiency and usability by developing key EMS frontend components with React and Material-UI, streamlining university operations for lecturers, students, and employees.

External Projects

Gearup (2023) - React, TypeScript, Express Ts, Redux, Tailwind, MongoDB, Docker, EmailJS, Stripe, JWT, Google auth 2.0, Google Analytics, Figma

- Improved user experience by developing the frontend of an e-commerce platform for futsal booking using the MERN stack, creating an intuitive interface for users to browse, book, and manage futsal court reservations, leading to a smoother and more efficient booking process.

SmartEdu (2024) - React, TypeScript, Express Ts, Redux, MongoDB, Docker, EmailJS, JWT

- Improved education accessibility by developing SmartEdu's LMS with React, featuring separate dashboards, course management, student enrollment, and progress tracking for a seamless learning experience.

Metaluck (2024) - React, TypeScript, EmailJS, SCSS

- Developed a user-friendly website promoting sustainability in the metallurgical industry with React for a dynamic interface and EmailJS for communication, improving access to innovative solutions.

ACADEMIC EXPERIENCE

Genomic Web Application - Web-based Tool (2024-present) - mitoMatch React, Flask, MongoDB, Email JS BioPython, Pandas, NumPy, Matplotlib, Seaborn, SHAP

Developed a web application for Mitochondrial DNA analysis to determine genetic relatedness among populations, using React for the frontend and Flask for the backend, providing researchers with an efficient and intuitive tool.

Software Development Group Project (2023) - Mobile App - militTransfer Kotlin, Firebase, SQLite.

Mobile app developed to transfer confidential data securely between military bases using LSB technique in Image steganography.

EDUCATION

Informatics Institute of Technology (IIT) (2021 - May 2025)

BSc (Hons) in Computer Science, University of Westminster

Muslim Ladies College, A/L Examination (2018 - 2020)

Gampola Zahira College, O/L Examination (2007 - 2017)

REFERENCE

G.W.I.R Fonseka - Tech Lead, Loonslab (Pvt) Ltd.

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