

# Nilaksha Perera

## SOFTWARE ENGINEER



✉ [nilaksha.sandani@gmail.com](mailto:nilaksha.sandani@gmail.com)    ☎ + (94) 716817217    🐙 [github.com/nilaksha00](https://github.com/nilaksha00)    🔗 [linkedin.com/in/nilaksha00](https://linkedin.com/in/nilaksha00)  
🌐 [nilakshaperera.netlify.app](http://nilakshaperera.netlify.app)

### PROFILE SUMMARY

Motivated and detail-oriented software engineer with 2+ years of experience in full-stack and front-end development. Proficient at collaborating with cross-functional teams to ensure optimal performance and seamless user experiences. Strong communicator with a commitment to continuous learning and improvement.

### EXPERIENCE

Associate Software Engineer | TS Technologies

FEB 2024 — PRESENT

- Led front-end development for applications used by 20+ top companies, ensuring responsive designs and seamless user experiences.
- Ensured high-quality, business-critical functionalities to meet requirements.
- Optimize application performance and ensure responsiveness across platforms.
- Maintain the front-end codebase, adhering to best practices and ensuring scalability for future growth.

Intern Software Engineer | DirectFN

MARCH — NOV 2022

- Contributed to the development and maintenance of a fintech application used by 100+ corporate clients, enabling merchants and stakeholders to make informed decisions.
- Resolved application bugs and implement new features to maintain system stability and performance.
- Collaborated with senior developers to meet project deadlines and ensure code quality.

### EDUCATION

Sri Lanka Institute of Information Technology (SLIIT)

FEB 2020 — MARCH 2024

BSc (Hons) in Information Technology specializing in Software Engineering

- Graduated with a Second Class Lower Division (CGPA > 3.0)
- Dean's List recognition in the year 2022 for outstanding academic performance.

Holy Cross College, Gampaha

2019

GCE A/L Examination (Physical Science Stream)

### PROFESSIONAL SKILLS

Programming Languages	JavaScript, TypeScript, Java, C#, Python, HTML, CSS, Sass
Frameworks & Libraries	React, Next.js, .NET, React Native, Node.js, Express, Android, Flask, Redux, Express.js, Framer Motion, GSAP, Tailwind, MUI, Bootstrap, Mapbox GL
Database	MongoDB, MySQL, Microsoft SQL Server, Firebase
Tools & Platforms	Git, GitHub, Bitbucket, Postman, Clickup, Visual Studio, IntelliJ, Android Studio, Figma, Jira

## PROJECTS

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### Digital Signage Solution (Associated with TS Technologies (Pvt) Ltd)

React, Reactstrap, Konva, Axios, Springboot, Mysql, MQTT

- Contributed in a digital signage solution enabling users to create custom designs, schedule content, and transfer it to screens, enhancing user engagement and simplifying content management.

### CRM (Associated with TS Technologies (Pvt) Ltd)

React, Reactstrap, Axios, Springboot, Mysql

- Contributed in a complete queue management platform including registration, payment, queuing, reception etc. Today, service providers need to manage the entire customer journey, from pre-arrival to post serving.

### Pro11 (Associated with DirectFN (Pvt) Ltd)

Emberjs, Bootstrap, Sass, Javascript

- Contributed to the development of a fintech solution designed to provide merchants and stakeholders with real-time financial data, analytics, and tools for informed decision-making, enhancing efficiency and market insights.

### Eye Care | Final Year Research Project

Python, Deep Learning, Image Processing, Flask, React Native, Javascript, Firebase, Google Colab

- Developed a mobile application utilizing deep learning to detect eye diseases from retinal images, including diabetic retinopathy. Assisted eye specialists in making accurate diagnoses through reliable and efficient disease identification.

### Blogging Platform

Nextjs, TypeScript, Tailwind CSS, Nodejs, Express, JWT, MongoDB, Bcrypt

- A responsive web application where authorized users can create, view, edit and delete blog posts. Security is implemented using techniques such as Json Web Tokens (JWT), protected routes, input validation and password hashing.

### Railway Booking Platform

Java, C#, Android Studio, .NET Core, MongoDB

- An android application to view train schedules, reserve train seats and manage existing reservations. Used secured user data and accounts through encryption, authentication, and authorization mechanisms.

### Handyman Service Application

Javascript, React, Redux, MUI, Firebase

- A web application developed to offer handyman services for the clients and post thier services. This application primarily focus on improving the security concerns such as Role-based access control, OAuth, input sanitizing and validation, protected routes, sensitive data hashing, user sessions and exception handling.

### E-commerce Application

Typescript, Nextjs, .NET Core, MongoDB, Tailwind CSS, Jest, Axios

- An e-commerce and inventory management system for a leading footwear manufacturer, enabling B2B and B2C sales, stock tracking, and order management

References Available Upon Request