

NAVINDU ABHISHEK

Software Engineering Undergraduate

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SUMMARY

I am a passionate undergraduate with a strong interest in building practical, scalable solutions to real-world problems. I have hands-on experience in full-stack development and RESTful API development using technologies such as MERN, Spring Boot and Next.js. I am continuously learning and improving my skills with modern technologies and frameworks to apply my knowledge to meaningful and challenging projects.

EDUCATION

SLTC Research University B.Sc. (Hons) Software Engineering	Padukka 2022 – 2026
University Of Sri Jayewardenepura Certificate Course in English	Nugegoda 2020
Sivali Central College Advance Level - Engineering Technology	Ratnapura 2017 – 2019

TECHNICAL SKILLS

Languages: Javascript, Typescript, Java, Python, HTML, CSS

Frameworks: React.js, Spring Boot, Node.js, Next.js, Express.js, Redux, Tailwind CSS

Database Systems: MySQL, MongoDB, PostgreSQL

Concepts & Tools: OOP, DSA, REST APIs, AWS, Git, GitHub, Docker, Firebase, Prisma

PROJECTS

Fridge Chef - [Github Link](#)

- Developed an AI-powered web app that reduces food waste by generating recipes from existing ingredients, integrating Gemini/Groq APIs with a MERN backend and implementing sustainability tracking for smarter ingredient usage.

Tech Stack – React Js, Express Js, MongoDB, Gemini/Groq API, Tailwind CSS,

BookSwap - [Github Link](#)

- Location based book exchange platform to exchange unused books by enabling nearby users to list and request books.
- integrating Google Maps via Google Cloud for nearest matching and implementing secure REST APIs using Spring Boot.

Tech Stack – Spring Boot, React, PostgreSQL, Tailwind CSS, Google Cloud

Gift Muse - [Github Link](#)

- AI driven gift recommendation app that analyzes user input to suggest personalized products.
- integrating Gemini/Groq APIs for intelligent suggestions and a MERN stack backend for efficient data handling.

Tech Stack – React Js, Express Js, MongoDB, Gemini/Groq API, Tailwind CSS,

BubbleChat - [Github Link](#)

- Real-time chat application with Efficient message broadcasting, ensure low-latency and synchronized communication across users.

Tech Stack – React, Express, Tailwind CSS, Socket.IO, MongoDB

MoodSync - [Github Link](#)

- Mood tracking app users can easily track their daily emotions with simple note. used firebase for real-time data sync.
- A beautiful, eye-catching user interface with a modern and intuitive design to enhance user engagement.

Tech Stack – Next Js, Firebase, Tailwind CSS

GPA Flow - [Github Link](#)

- Mobile application to accurately calculate semester and cumulative GPA by modeling grade scales and credit weighted formulas, supporting multiple semesters and ensuring reliable academic performance tracking using Flutter.

Tech Stack – Flutter

Schedulify - [Github Link](#)

- Built a timetable scheduling application to simplify schedule creation and management, implementing conflict aware logic with a Next.js (TypeScript) frontend and MongoDB backend, and delivering a clean, responsive UI using Tailwind CSS.

Tech Stack – NextJs with Typescript, MongoDB, Tailwind CSS

Attendix - [Github Link](#)

- Developed a role based attendance management system enabling teachers, students, and admins to track records.
- implementing secure access control, structured data models in MongoDB, and a responsive Next.js interface.

Tech Stack – Next.js with TypeScript, MongoDB, Tailwind CSS

Railway App - [Github Link](#)

- Enhanced version of Sri Lankan Railway Website

Tech Stack – React, Tailwind CSS

Patient Management System - [Github Link](#)

- Simple CLI programme. Can add, provide prescription, assign bed, provide bill, remove patients etc...

Tech Stack – Java

CERTIFICATIONS

Describe Cloud Computing – Microsoft

Issued Oct 2024

AWS Certified Cloud Practitioner: Cloud Concepts - LinkedIn

Issued Oct 2024

How to create a Jira SCRUM project - Coursera

Issued Jun 2024

Generative AI Fundamentals Google - Cloud Skills Boost

Issued Sep 2023

Introduction to Large Language Models- Google Cloud Skills Boost

Issued Aug 2023

Introduction to Generative AI - Google Cloud Skills Boost

Issued Jun 2023

EXTRA-CURRICULAR ACTIVITIES

Member of IEEE Computer Society

SLTC Research University

Member of School Chess Team

Sivali Central College - Ratnapura

Member of School Taekwondo Team

St. Aloysius College - Ratnapura

REFERENCES

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