

# NAVINDU ABHISHEK

Software Engineering Undergraduate

071-1604788 | Colombo | abi2000navi@gmail.com | [LinkedIn](#) | [Github](#) | [Portfolio](#)

## 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

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| <b>SLTC Research University</b>          | Padukka     |
| B.Sc. (Hons) Software Engineering        | 2022 – 2026 |
| <b>University Of Sri Jayewardenepura</b> | Nugegoda    |
| Certificate Course in English            | 2020        |
| <b>Sivali Central College</b>            | Ratnapura   |
| Advance Level - Engineering Technology   | 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 Tyepscript, MongoDB, Tailwind CSS

### **Appendix - [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**

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### **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**

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### **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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### **• Mr. Suchith Gunarathna**

Department Head – Data Science  
SLTC Research University  
Email: suchith.g@sltc.ac.lk  
Phone: 071-9780187

### **• Prof. Gamini Ranasingha**

Department of History & Archaeology  
University of Sri Jayawardenepura  
Email: gaminir76@gmail.com  
Phone: 071-6163555