

# SANIRA DENETH ADESHA

SOFTWARE ENGINEERING UNDERGRADUATE - SOFTWARE ENGINEER INTERN

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[GitHub](#) [LinkedIn](#) [Portfolio](#)

## PROFESSIONAL SUMMARY

Passionate Software Engineering undergraduate at the University of Kelaniya with strong interests in full-stack and mobile application development. Experienced in building scalable applications utilizing React, Next.js, Node.js, Spring Boot, and React Native. Enthusiastic about collaborative problem-solving, microservices architecture, and mastering new technologies from enterprise systems to low-level programming.

## EDUCATION

**BSc (Hons) Software Engineering** 2024 – Present  
*University of Kelaniya* Kelaniya, Sri Lanka

- Specializing in Net-Centric Web Application Development, Mobile Computing, and Data Science & Engineering
- CGPA: **3.95 / 4.0**

**GCE Advanced Level** 2020 – 2023  
*Dharmasoka College* Ambalangoda, Sri Lanka

- Completed coursework in Mathematics, Chemistry, and Physics (2A & 1B Passes — Z-Score: **1.60**)

## PROJECTS

**VoltEdge Cinematic E-Commerce** | v1 Completed Apr 2026 – May 2026  
*Next.js 15, Node.js, MongoDB, TypeScript* [GitHub](#) | [Live](#)

- Developed a high-fidelity e-commerce platform with scroll-driven animations using **Framer Motion** and **Tailwind CSS 4**
- Built a **RESTful API** with **Node.js** and **MongoDB**, featuring **JWT** session management and **OAuth 2.0**
- Implemented faceted search and **Cloudinary** automated image optimization for accelerated load times

**NearFix** | In Development Apr 2026 – Present  
*Spring Boot, React, PostgreSQL (PostGIS), Docker* [GitHub](#)

- Architected a **microservices-based** location service marketplace using **Spring Boot** and **Docker Compose**
- Implemented advanced geospatial search with **PostGIS** for real-time provider proximity discovery
- Secured the ecosystem via a centralized **API Gateway** handling **JWT** validation and request routing

**ExpoHub** | Backend Developer Dec 2025 – Feb 2026  
*Spring Boot, PostgreSQL, JWT* [GitHub](#)

- Engineered the backend for a comprehensive stall booking system using a robust **Spring Boot REST API**
- Leveraged **Spring Security** and **JWT** for RBAC, alongside **Spring Data JPA** for efficient database management
- Configured automated email confirmations and integrated QR code generation for digital receipts

- Developed interactive frontend interfaces and comprehensive **SEO** strategies for the official TEDx UOK branch
- Optimized cross-device responsiveness and debugged UI inconsistencies to ensure a seamless user experience

## TECHNICAL SKILLS

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<b>Languages</b>	: JavaScript, TypeScript, Java, HTML/CSS, PHP
<b>Backend</b>	: Node.js, Express.js, Spring Boot, Microservices
<b>Frontend/Mobile</b>	: React.js, Next.js, Tailwind CSS, React Native
<b>Databases</b>	: MySQL, PostgreSQL, MongoDB Atlas
<b>Tools &amp; OS</b>	: Linux (Ubuntu, Fedora), Git, Vercel, Render, AI Dev Tools, Docker

## ACHIEVEMENTS

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- **Dean's List Honoree**: Recognized for outstanding academic excellence and high GPA (BSc Software Engineering)
- **Winner – Junior Hack 7.0**: Led Team CyberNova to architect and build a complete full-stack web application utilizing AI integrations during an intensive one-day coding challenge

## VOLUNTEER EXPERIENCE & LEADERSHIP

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**Head of Designing - IEEE WIE** Jan 2025 – Present  
*University of Kelaniya* *Kelaniya, Sri Lanka*

- Directing the design team for the IEEE Women in Engineering student branch, creating visual assets, branding, and promotional materials for technical events

**Community Member - Software Engineering Student Association** 2024 – 2025  
*University of Kelaniya* *Kelaniya, Sri Lanka*

- Actively participated in community events, technical workshops, and student-led software engineering initiatives

## LANGUAGES

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<b>English</b>	: Professional Proficiency
<b>Sinhala</b>	: Native Proficiency

## REFERENCES

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- **Dr. Isuru Hewapathirana**  
Head, Software Engineering Teaching Unit, University of Kelaniya  
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- **Dr. Nalin Warnajith**  
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