

NADEESHA MALSHAN

IT undergraduate specializing in Artificial Intelligence at SLIIT.

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PROFESSIONAL SUMMARY

AI-focused IT Undergraduate at SLIIT specializing in predictive modeling and full-stack development. Experienced in building nationally recognized community data platforms and AI-integrated healthcare systems using Python, Next.js, and FastAPI. Dedicated to researching and implementing scalable R&D solutions for real-world challenges

AREA OF EXPERTISE

Artificial Intelligence & ML: Scikit-learn, Model Training & Evaluation, Predictive Modeling, Computer Vision.

Gen AI: Gemini API Integration, Prompt Engineering, OpenAI API.

AI & Data Tools: Python, Pandas, NumPy, Matplotlib, OpenCV, EasyOCR.

Software Engineering: Quality Assurance (QA), Git/GitHub.

Full Stack Development: Next.js, React.js, Tailwind CSS, TypeScript, Vite.

Backend & API Engineering: Node.js, Express.js, FastAPI, REST API Development, PostgreSQL, MySQL.

PROJECTS

rainiX

2026 May–Jun

[Source Code](#)

AI powered smart weather app to check real-time weather analysis and predict river levels.

Technologies: NextJS, LangChain, Weather and river APIs, Google AI models, Pandas, Joblib, Ridge Regression.

NCC eCare

(AI-Powered Medical System)

2026 Feb – May

[Source Code](#)

AI powered Smart Doctor Channeling System developed for the Narammala Channeling Center.

Technologies: React, ExpressJS, NodeJS, mySQL, FastAPI, PayHERE, EasyOCR

Fuel Alert – Queue Availability and Tracking

2026 Mar

[Source Code](#)

Built a community-driven platform to track real-time fuel availability, improving information accessibility for local users.

Technologies: React, NodeJS, ExpressJS, Drizzle ORM, Leaflet, Tailwind CSS, PostgreSQL, Vercel, Railway

Personal Portfolio

2025 Dec

[Source Code](#)

My digital identity and professional landing page.

Technologies: NextJS, SenderSMTP, Vercel

PROFESSIONAL EXPERIENCE

Quality Assurance (QA) – New Features

2024– current

Ceynk Technologies Private Limited

- Conducted rigorous testing of new software features to ensure stability and alignment with technical specifications.

EDUCATION

BSc (Hons) in Information Technology specialized in Artificial Intelligence

SLIIT

2024 May– Current

G.C.E Advanced Level

G.C.E ordinary level

St' Aloysius College– Ratnapura

2014–2022

EXTRA-CURRICULAR ACTIVITIES

Photo/ Video Editor: St' Aloysius Colloage – Media Unit (2020–2022)

ADDITIONAL INFORMATION

- Languages: English, Sinhala.
- Certifications:
 - Programming in Python 1– CODL University of Moratuwa
 - Supervised Machine Learning– DeepLearning
 - AI, Web development 1– CODL University of Moratuwa
 - Front-End Web Development– CODL University of Moratuwa
 - What is Data Science? – IBM
 - Tools for Data Science– IBM
 - Responsive Web Design– University of London
 - JavaScript Essentials 1 – Cisco Networking Academy
 - Flutter and Dart– Google
 - Introduction to Cybersecurity – Cisco Networking Academy
 - Fundamentals of digital marketing – Google Digital Garage
- Achievements_: Developed the Fuel Alert web application, which was featured on TV Derana's "Lokaya saha Lokayo" for its innovative use of real-time data to solve national infrastructure challenges.

REFERENCES

Mr. Udula Mayadunne
CO Founder
Ceynk Technologies Private Limited.
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