

ADHISHTANAKA THIRAMITHU KULASOORIYA

Software Engineer Intern

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PROFESSIONAL SUMMARY

Computer Science undergraduate seeking a Software Engineer internship. Experienced in building scalable web and mobile applications, designing clean APIs, and working across the full stack. Strong software engineering fundamentals with hands on experience in modern frameworks, system design, and practical use of machine learning where it adds real value.

SKILLS

Programming Languages: Python, TypeScript, C#, Dart, Java

Libraries & Frameworks: ASP.NET, FastAPI, LangChain, TensorFlow, Flutter, Next.js

Databases & Services: Firebase, Docker, GitHub Actions, MongoDB, PostgreSQL, RabbitMQ

FEATURED SOFTWARE PROJECTS

- **Space – Social Media Platform** | <https://github.com/Adhishtanaka/space> Sep 2025
 - Built a social media platform with post creation, upvote/downvote system, following, and personalized feeds.
 - Implemented JWT-based authentication, real-time notifications, chat functionality, and a user location map using React, ASP.NET Core, EF Core, and SignalR.
- **Detoxic – Toxicity Detection API** | <https://github.com/Adhishtanaka/detoxic> Jul 2025
 - Built a FastAPI backend for toxic comment detection using a CNN trained on the Jigsaw dataset.
 - Implemented domain-restricted API access to ensure SaaS security and authorized usage.
- **Fine-tuning LLaMA 3.2 1B for SQL Generation** | <https://github.com/Adhishtanaka/llama3.2.1.b-SQL> Jul 2025
 - Fine-tuned LLaMA 3.2 1B model using Unsloth library with LoRA adapters to generate SQL queries from natural language.
 - Built automated evaluation pipeline using Groq's Gemma 2-9b-it model to score and compare original vs fine-tuned models.
- **Beminithiya – Disaster Management Platform** | <https://github.com/Adhishtanaka/Beminithiya> Jun 2025
 - Developed an AI-powered disaster management platform with React frontend, FastAPI backend, Appwrite integration, and Telegram/WhatsApp bots.
 - Implemented AI Agent Workflows for disaster detection and task dispatch using LangGraph with Gemini API integration.
- **Full-Stack Todo System with MCP Server** | <https://github.com/Adhishtanaka/todo-app> Apr 2025
 - Built a cross-platform todo system with Next.js, Flutter, and Python using JWT authentication.
 - Integrated an MCP server to support real-time synchronization and intelligent task processing.
- **AANA – AI Search Engine** | <https://bit.ly/4iRlpa9> Dec 2024
 - Created a Python and React-based search engine using prompt engineering for improved responses.
 - Implemented token-efficient AI-powered web scraping and indexing without relying on external frameworks.

EDUCATION

- **Bachelor of Computer Science (Honours)** 2022 - Present
NSBM Green University *Current GPA: 3.80/4.0*
- **Secondary Education, Mathematics Stream** 2011 - 2019
Kegalu Vidyalaya *Advanced Level studies in Mathematics stream*

CERTIFICATIONS & ACHIEVEMENTS

- **Innovate with Ballerina - 2025** Oct 2025
WSO2 *Top 10 Finalist from 500+ teams*
- **NSBM GreenEXE 3.0** Oct 2025
NSBM Green University *1st Runner Up from 50+ teams*
- **InteliHack 5.0 - Datathon** June 2025
University of Colombo School of Computing *2nd Runner Up from 100+ teams*

EXTRACURRICULAR ACTIVITIES

- **Student Volunteer** Dec 2023 - Present
STEMUP Educational Foundation Sri Lanka
 - Taught Python basics to children (ages 8–16) through interactive coding workshops

LANGUAGES

Sinhala: Native **English:** Professional **Hindi/Urdu:** Limited

REFERENCES

- **Dr. Pabudi Abeyrathne** – Senior Lecturer, NSBM Green University | pabudi.a@nsbm.ac.lk
- **Mr. Diluka Wijesinghe** – Lecturer, NSBM Green University | diluka.w@nsbm.ac.lk