

# 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\\_1b\\_SQL](https://github.com/Adhishtanaka/llama3.2_1b_SQL) Jul 2025
  - Fine-tuned LLaMA 3.2 1B model using Unslloth 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/4iRlp9> 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](mailto:pabudi.a@nsbm.ac.lk)
- **Mr. Diluka Wijesinghe** – Lecturer, NSBM Green University | [diluka.w@nsbm.ac.lk](mailto:diluka.w@nsbm.ac.lk)