

ADHISHTANAKA THIRAMITHU KULASOORIYA

Software Engineer Intern

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PROFESSIONAL SUMMARY

Computer Science undergraduate specializing in full-stack development and software engineering, seeking a Software Engineer internship. Skilled in building scalable web and mobile applications with modern frameworks. Solid foundation in system design, API development, and cross-platform apps.

SKILLS

Languages: Python, TypeScript, JavaScript, C#, Dart, Java, Ballerina

Frontend: React, Next.js, Flutter, Tailwind CSS

Backend & DevOps: FastAPI, Node.js, Express.js, GraphQL, PostgreSQL, MongoDB, Firebase, Appwrite, Docker

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 ASP.NET Core, EF Core, and SignalR.
- **AgriLanka – Agriculture Marketplace Platform** | <https://github.com/Adhishtanaka/AgriLanka> Aug 2025
 - Created a full-stack agriculture marketplace with Ballerina backend, React frontend, MCP server, and WhatsApp bot integration.
 - Designed AI-powered workflows for SQL querying via a custom GemiLib library in Ballerina.
- **LLaMA SQL – Fine-tuned Language Model** | https://github.com/Adhishtanaka/llama3.2_1b-SQL Jul 2025
 - Fine-tuned a 1B-parameter LLaMA model on Hugging Face and integrated with Ollama for natural language to SQL generation.
 - Used the `synthetic_text_to_sql-ShareGPT` dataset to train and evaluate model performance for text-to-SQL conversion.
- **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.
- **Beminihiya – Disaster Management Platform** | <https://github.com/Adhishtanaka/Beminihiya> Jun 2025
 - Developed an AI-powered disaster management platform with React frontend, FastAPI backend, Appwrite integration, and Telegram/WhatsApp bots.
 - Implemented AI workflows for disaster detection and task dispatch using LangGraph with Gemini API integration.
- **Todo Ecosystem – Full-Stack Application Suite** | <https://github.com/Adhishtanaka/todo-app> Apr 2025
 - Built a complete Todo ecosystem with Next.js web app, Flutter mobile app, and MCP server integration.
 - Implemented JWT authentication, PostgreSQL database with Prisma ORM, and cross-platform synchronization.
- **SysGen – CLI Dataset Generator** | <https://github.com/Adhishtanaka/SysGen> Mar 2025
 - Developed a CLI tool to generate synthetic datasets using the Gemini API and Python for LLM fine-tuning.
 - Published on PyPI with a simple, intuitive CLI interface for developers.
- **Fine-Tuning Qwen 2.5 with RAG System** | https://github.com/Adhishtanaka/Intellihack_TetraNeurons_3 Mar 2025
 - Fine-tuned Qwen 2.5-3B with LoRA and integrated a Retrieval-Augmented Generation (RAG) pipeline for domain-specific QA.
 - Applied 4-bit quantization and used ChromaDB with LangChain for efficient knowledge retrieval.
- **YourApp – AI-Powered Mobile IDE** | <https://github.com/Adhishtanaka/yourapp> Feb 2025
 - Built a Flutter-based mobile IDE using the Gemini API to generate, preview, and run React apps locally.
 - Enabled in-app execution and local storage, providing a mobile app store-like experience.
- **AANA – AI Search Engine** | <https://bit.ly/4iRlpa9> Dec 2024
 - Developed a Python and React-based search engine with prompt-engineered AI for better search results.
 - Implemented token-efficient AI-powered web scraping and indexing without external frameworks.
- **Month Extension – VS Code Activity Tracker** | <https://github.com/Adhishtanaka/Month-Extension> Nov 2024
 - Developed a VS Code extension with calendar view to track coding activity, GitHub projects, and local development patterns.
 - Published on VS Code Marketplace for public use.
- **Shuttle Tracking System – Full-Stack Application Suite** | <https://github.com/Adhishtanaka/shuttle-admin> Dec 2023
 - Implemented an PHP admin panel and Flutter mobile app with emergency status updates and Google Maps-based shuttle tracking using Firebase integration.

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

<div><div>Innovate with Ballerina - 2025</div><div>WSO2</div></div>	<div>Oct 2025</div> <div>Top 10 Finalist from 500+ teams</div>
<div><div>NSBM GreenEXE 3.0</div><div>NSBM Green University</div></div>	<div>Oct 2025</div> <div>1st Runner Up from 50+ teams</div>
<div><div>InteliHack 5.0 - Datathon</div><div>University of Colombo School of Computing</div></div>	<div>June 2025</div> <div>2nd Runner Up from 100+ teams</div>
<div><div>AI/ML Engineer - Stage 1</div><div>SLIIT</div></div>	<div>Jan 2024</div> <div>Credential ID: 8gjsx5mypc</div>
<div><div>Web Designing for Beginners</div><div>University of Moratuwa</div></div>	<div>Dec 2022</div> <div>Credential ID: hZB48IMMef</div>
<div><div>Python for Beginners</div><div>University of Moratuwa</div></div>	<div>Oct 2022</div> <div>Credential ID: LT14FQbbOM</div>

EXTRACURRICULAR ACTIVITIES

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