

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.

EDUCATION

- Bachelor of Computer Science (Honours) - UGC Approved

NSBM Green University

2022 - Present

Current GPA: 3.80/4.0

• G.C.E. Advanced Level - Mathematics Stream

Kegalu Vidyalyaya

2020

SKILLS

Languages: Python, TypeScript, JavaScript, C#, Dart, Java, Ballerina
Frontend: React, Next.js, Flutter, Tailwind CSS
Backend: FastAPI, Node.js, Express.js, ASP.NET Core
Databases: PostgreSQL, MongoDB, Firebase Firestore & RealTimeDB
AI/ML Libraries: TensorFlow, Scikit-learn, LangChain, LangGraph
Cloud & Deployment: Netlify, Choreo, Firebase Hosting
Tools & Technologies: GraphQL, Docker, Prisma ORM, Entity Framework

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.

• 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.

• 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.

ACHIEVEMENTS

◦ Innovate with Ballerina - 2025

WSO2

Oct 2025

Top 10 Finalist from 500+ teams

◦ NSBM GreenEXE 3.0

NSBM Green University

Oct 2025

1st Runner Up from 50+ teams

◦ InteliHack 5.0 - Datathon

University of Colombo School of Computing

June 2025

2nd Runner Up from 100+ teams

CERTIFICATIONS

- **AI/ML Engineer - Stage 1**
*SLIIT*Jan 2024
Credential ID: 8gjsx5mypc
- **Web Designing for Beginners**
*University of Moratuwa*Dec 2022
Credential ID: hZB48IMMef
- **Python for Beginners**
*University of Moratuwa*Oct 2022
Credential ID: LTl4FQbbOM

EXTRACURRICULAR ACTIVITIES

- **Volunteer Coding Instructor**Dec 2023 - Present
STEMUP Educational Foundation Sri Lanka
 - * Taught Python basics to children (ages 8–16) through interactive coding workshops
- **Student Volunteer**Dec 2023
MANTHRA Hackathon - NSBM IEEE Student Branch
 - * Volunteered at inter-university hackathon competition with 32+ teams from different Sri Lankan universities

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