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)**   2022 - Present
  NSBM Green University   *Current GPA: 3.80/4.0*
- **G.C.E. Advanced Level - Mathematics Stream**   2020
  Kegalu Vidyalaya

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.
- **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 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/4iRIpa9   *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**   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*

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: LTI4FQbbOM

EXTRACURRICULAR ACTIVITIES

○ **Volunteer Coding Instructor**
STEMUP Educational Foundation Sri Lanka

Dec 2023 - Present

* Taught Python basics to children (ages 8–16) through interactive coding workshops

○ **Student Volunteer**
MANTHRA Hackathon - NSBM IEEE Student Branch

Dec 2023

* 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