

# 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

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

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

## FEATURED SOFTWARE PROJECTS

- **Detoxic – Toxicity Detection API** | <https://github.com/Adhishtanaka/detoxic> Jul 2025
  - Developed a FastAPI backend for toxic comment detection using a CNN model trained on the Jigsaw dataset.
  - Implemented trusted URL configuration to restrict API access to authorized (paid) domains for SaaS deployment.
- **TetraNeurons – Disaster Management System** | <https://github.com/Adhishtanaka/TetraNeurons> May 2025
  - Developed a full-stack disaster management system with React frontend and FastAPI backend architecture.
  - Implemented real-time data synchronization using Firebase and integrated third-party APIs for comprehensive functionality.
- **Todo Ecosystem – Full-Stack Application Suite** | <https://github.com/Adhishtanaka/todo-app> Apr 2025
  - Architected 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.
- **YourApp – AI-Powered Mobile IDE** | <https://github.com/Adhishtanaka/yourapp> Feb 2025
  - Built a Flutter mobile IDE using the Gemini API to generate, preview, and run React apps locally without installation.
  - Enabled local storage and live in-app execution, providing a mobile app store-like experience.
- **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.
- **Shuttle Web & Mobile App** | <https://github.com/Adhishtanaka/Shuttle-app> Dec 2023
  - Developed a real-time shuttle tracking system featuring a Flutter mobile app and a PHP-based web admin panel.
  - Implemented live location updates & route mapping using Firebase & Google Maps API.

## EDUCATION

- **Bachelor of Computer Science (Honours)** 2022 - Present  
NSBM Green University Current GPA: 3.71/4.0
- **Secondary Education, Mathematics Stream** 2011 - 2019  
Kegalu Vidyalaya Advanced Level studies in Mathematics stream

## CERTIFICATIONS & ACHIEVEMENTS

- **InteliHack 5.0 - Datathon** Jun 2025  
University of Colombo School of Computing 2nd Runner Up
- **AI/ML Engineer - Stage 1** Jan 2024  
SLIIT Credential ID: 8gjsx5mypc
- **Web Designing for Beginners** Dec 2022  
University of Moratuwa Credential ID: hZB48IMMef
- **Python for Beginners** Oct 2022  
University of Moratuwa Credential ID: LT14FQbbOM

## 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)