

Sangeeth Kariyapperuma

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🌐 nipunsgeeth

About Me

Undergraduate student in Computer Science and Engineering at the University of Moratuwa, interested in software and web application development. Eager to learn new technologies and improve through hands-on experience and collaboration.

Education

University of Moratuwa, BSc Eng Hons, Computer Science & Engineering May 2024 – Present

Ibbagamuwa Central College Until 2022

- G.C.E. A / L 2022: 3A passes (physical science stream)
 - Z-Score - +2.6578
 - District Rank - 10
 - Island Rank - 105
- G.C.E. O/L 2018: 8A Passes and 1B
- Grade 5 Scholarship Examination – Passed with 171 marks

Awards & Competitions

- **Mobitel CodeBlast Hackathon Challenge (Inter-University Competition)** Sep 2025
 - Participated as part of Team X with two teammates.
 - Developed an AI-powered educational platform named Pahasara.lk, connecting students and tutors through intelligent learning features.
 - Recognized as champions among university teams across Sri Lanka.
 - The competition was held in collaboration with the National AI Expo 2025, organized by the Ministry of Digital Economy.
 - Appreciated for innovation, usability, and real-world educational impact.

Certificates & Achievements

- **Python Programming Course (UoM – Open Learning Platform)**
 - Learned Python basics, control structures, and functions.
 - Built small practical programs and solved coding problems.
 - Gained hands-on experience with file handling and error management.
- **Web Design for Beginners (UoM – Open Learning Platform)**
 - Gained foundational knowledge of HTML and CSS.
 - Designed basic web pages with responsive layouts.
 - Learned about page structure, styling, and accessibility.

Projects

LAN File Transfer Application

LAN-File-Transfer [🔗](#)

- Seamless file sharing across any devices via a web browser.
- Built using Python and Flask for lightweight local hosting.
- User-friendly interface with features like file upload, delete, download, and simul-

taneous multi-device support.

Birthday Surprise Web Page

- Interactive birthday surprise mimicking iPhone 14 Pro interface.
- Built using HTML, CSS, and JavaScript with animations, messages, and fireworks.
- Allows users to generate custom links with personalized messages.
- Live demos available at multiple deployed links.

[Birthday Surprise for your friend](#)

AI with Vector Database

- Q&A system using FAISS vector database and Google Generative AI (Gemini) to answer biology questions in Sinhala.
- Focused on biology content with context-aware answers.
- Implemented in Python with AI and vector search integration.
- Simple setup and usage; supports Sinhala language queries.

[AI with Vector Database](#)

Hiru News Live Update Telegram Bot

- Python-based Telegram bot that sends live news updates from the Hiru News website. Can be added to groups or used in private chats.
- Developed using BeautifulSoup4 for web scraping, with requests, Python Telegram Bot, and JSON for API handling and data storage.
- Includes automatic image processing with watermarking using the Pillow library.

[Hiru News Live Update Telegram Bot](#)

LAN Messenger for Local Network Devices

- Seamless real-time chat application accessible across any device via a web browser.
- Built using Python, Flask, and sockets for efficient local hosting and communication.
- User-friendly interface with features like system join notifications and support for multiple devices simultaneously.

[LAN Messenger](#)

Mora9 Hockey Event – Points Table Web Application

- A web application showcasing the points table of the Mora9 hockey tournament (Boys' and Girls' Interuniversity) organized by the University of Moratuwa.
- Dynamically displays match results and calculates points automatically from an uploaded Excel file (.xlsx).
- Fully web-based with a clean user interface and mobile-responsive design.

[Mora9 Hockey Event – Points Table](#)

Telegram Chat Bot Powered by Gemini

- Developed using Python 3.7 and integrated with Google's Gemini API.
- Capable of having friendly and natural conversations and mimicking human-like interaction.

[Gemini-powered Telegram Bot](#)

File to Link Generator Bot

- Telegram bot that generates direct download, stream, and shareable links from uploaded files.
- Built with JavaScript and deployed using Cloudflare Workers.

[File to Link Generator Bot](#)

FidoraGraphics Web Design

- Built using HTML, CSS, and JavaScript.
- Fully mobile responsive with smooth animations and interactive user interface.

[FidoraGraphics Web Design](#)

Extra-Curricular Activities

- Member of SEDS Mora Club
- Member MoraSpirit Club in Web Pillar
- Member of IEEE branch of UOM
- Member of Mathematics society of UOM

Technologies

Programming Languages: Kotlin, C++, C, Java, Python, SQL, JavaScript

Frontend: HTML, CSS, Tailwind CSS, React.js, Bootstrap

Back-end / Database: Node.js, Express.js, Python, MongoDB, MySQL, Firebase, PostgreSQL,

DevOps / OS: Git, GitHub, Cloudflare Workers, Linux, Windows

Other Tools: VS Code, Figma, Postman, Canva, Adobe After Effects, Adobe Photoshop, Adobe Premiere Pro,

Personal Information

- **Name:** K.M. Nipun Sangeeth Kariyapperuma
- **Citizenship:** Sri Lankan
- **Communication Proficiency:**
 - English (excellent fluency)
 - Sinhala (excellent fluency)