

Deneth Kavishka

Software Engineer | IT Instructor | Tech Enthusiast

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PROFESSIONAL PROFILE

Result-oriented Software Engineering Professional and NIBM Computing undergraduate with a proven track record in full-stack web development and technical instruction. Adept at leveraging modern frameworks (MERN stack, Laravel) to engineer scalable applications and solve complex computational challenges. Combines strong analytical reasoning with hands-on experience in AI applications and computer vision. Recognized for driving project success from concept to execution, delivering clean code, and collaborating with cross-functional teams in fast-paced environments.

TECHNICAL SKILLS

- **Languages:** Java, Python, PHP, JavaScript, R, Kotlin, TypeScript, SQL, Dart, C, C#, C++
 - **Technologies/Frameworks:** MERN Stack (MongoDB, Express.js, React, Node.js), Laravel, Next.js, Node.js, Express.js, Springboot, ReactJs, Tailwind CSS, Bootstrap, Flutter, React Native
 - **Databases:** MySQL, PostgreSQL, MSSQL, Oracle, Firebase, MongoDB, Supabase
 - **Cloud:** Azure
 - **Core Concepts:** Artificial Intelligence, Machine Learning, Computer Vision, Robotics, Full-Stack Architecture, Data Structures and Algorithms, RESTful APIs, Microservices, Web Sockets
 - **Tools & Hardware:** Git, GitHub, VS Code, IntelliJ IDEA, Eclipse, Visual Studio, Postman, Arduino
 - **Design & Editing:** Adobe Photoshop, Figma, Adobe Illustrator, Adobe Premier Pro, After Effect
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PROFESSIONAL EXPERIENCE

IT Instructor | NIBM - Kurunegala, LK | January 2026 – Present

- Provide technical instruction to computing undergraduates, emphasizing software engineering principles, coding best practices, and modern technology stacks.
- Mentor students in collaborative academic growth and prepare them for competitive environments.

Freelance Full-Stack Dev, Graphic Designer & Content Writer | Fiverr & Independent | 2023 – Present

EDUCATION

BSc (Hons) Computer Science with Data Science

National Institute of Business Management (NIBM - Sri Lanka) | Reading

Higher National Diploma in Software Engineering

National Institute of Business Management (NIBM - Sri Lanka) | Nov 2024 – Dec 2025

(GPA - 3.93)

Diploma in Software Engineering

National Institute of Business Management (NIBM - Sri Lanka) | Oct 2023 - Nov 2024

(GPA - 3.92)

Certifications

- SLIIT - AI/ML Engineer - Stage 1
 - Postman API Fundamentals Student Expert
 - Get started with GitHub and GitHub Copilot | Microsoft
 - Microsoft Certified: Discover Microsoft AI for leaders in sustainability
 - Graphic Design (Master Photoshop) | Master.lk
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KEY PROJECTS

MediVault - Modern all-in-one Healthcare Management System | [GitHub](#)

- Engineered a secure, future-ready web and mobile platform designed to digitize national medical records and streamline healthcare management across Sri Lanka.
- Developed the core application architecture utilizing ReactJS, ExpressJS, NodeJS, PostgreSQL and IOT(RFID), ensuring high data security and seamless patient-doctor connectivity.

Alpha Autonomous - Automated Chess-Playing Robotic Arm | [LinkedIn](#)

- Developed an AI-driven robotic arm capable of playing chess against human opponents.
- Integrated computer vision for board state recognition and machine learning algorithms for move optimization.

Attendify - Smart Attendance System | [GitHub](#)

- Engineered a computer vision application utilizing face recognition to automate attendance tracking.
- Improved processing efficiency and accuracy compared to traditional manual logging methods.

Q-Hunt – Digital Treasure Hunt Platform | [GitHub](#)

ACADEMIX - Tuition Management App | [GitHub](#)

CafeYC - Full automated POS + E - Commerce system | [GitHub](#)

HeritaGo - All in one Tourist Guide web Application | [GitHub](#)

TaskScheduler – AI Powered Task Management Application | [GitHub](#)

ACHIEVEMENTS & LEADERSHIP

- Guest Speaker: "GitHub Copilot for Java Developers" session at GitHub Copilot Dev Days, NIBM
- 1st Runner-Up: Line Following Racing Robot Competition at the ESOF Innovate Expo
- Chairperson IEEE Student Branch of NIBM, Kurunegala Sector
- President ROBOTREX'26, NIBM - Kurunegala
- Organizing Committee Member IEEEEXTREAM 19.0 | NIBM CodeX1.0 - NIBM Chapter