

K.G.B.Chathuranga Lakmal

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Balangoda, Rathnapura - 70100, Sri Lanka

PROFESSIONAL SUMMARY

Motivated and detail-oriented Software Engineering undergraduate with hands-on experience in full-stack development, cryptography, and machine learning. Strong problem-solving and debugging skills with the ability to adapt to new technologies quickly. Expertise in MERN stack development, specializing in frontend technologies. Passionate about mastering emerging technologies while collaborating with experienced professionals to build scalable, user-centric applications, secure software solutions, API development, and system architecture. Seeking an opportunity to apply my skills in a dynamic, growth-driven tech environment.

WORK EXPERIENCE

• Vendors Coordinator | ETHIQLO Market Place (Remote, Sri Lanka) | 2020

ETHIQLO MARKET PLACE

- Assisted vendors in registration and onboarding to the e-commerce platform.
- Provided customer support and consultation to ensure a smooth user experience.

TECHNICAL SKILLS

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|---------------------|----------------|----------------|--------------------|-------------------|
| • JavaScript (ES6+) | • React.js | • HTML5 | • Version Control | • Figma |
| • Axios | • Node.js | • CSS | • React Native | • Adobe photoshop |
| • API integration | • Express.js | • Bootstrap | • Postman | • Pandas |
| • Python | • RESTful APIs | • Tailwind CSS | • ERP systems | |
| • Java | • MongoDB | • AWS (EC2/S3) | • Android Studio | |
| • C# | • MySQL | • Git | • Machine Learning | |
| • PHP | • JSON | • GitHub | • Agile | |

SOFT SKILLS

- Strong problem-solving and debugging skills.
- Ability to collaborate in distributed teams.
- Excellent communication and stakeholder engagement.
- Passionate about learning and adapting to new technologies.
- Detail-oriented with a focus on code quality and maintainability.
- Fast learning and adaptability in complex environments.

TECHNICAL PROJECTS

• NeuroDoc Encryption Service - Business Model (Ongoing)

2025

MERN (MongoDB, Express.js, React.js, Node.js), Tailwind CSS, Tesseract.js, PDF-Lib, Cryptography (RSA, AES, 3DES)



- Design and develop a secure document platform inspired by AI-enhanced postal service systems.
- Develop an AI-powered secure document processing platform, handling encrypted transactions daily.
- Build a fully responsive UI using Tailwind CSS, ensuring optimal performance across all device types.
- Integrate PDF encryption & OCR technology, enhancing document handling efficiency.

• Modern Fitness web application

2024

MERN STACK, Material UI, Bootstrap, Rapid API, Postman



- Integrated RapidAPI to fetch real-time exercise data, enhancing user engagement with dynamic content.
- Gained hands-on experience in API handling and data fetching using modern JavaScript practices.
- Utilized Material UI and Bootstrap for a clean, user-friendly interface optimized for mobile and desktop views.

• Cleaning Service Management System

Nov 2024

MERN Stack | REST API | MVC Architecture | Tailwind Css | GitHub | Git-Version Controlling



- Developed a MERN-stack application with optimized data loading scripts.
- Implemented automated RESTful API calls to streamline data retrieval and updates.
- Designed a scalable architecture ensuring long-term maintainability.

• Secure Postal service System

Jun 2024

Cryptography | RSA | AES-256 | MERN Stack | Bootstrap | JWT Auth | Axios | Git | GitHub



- Engineered a secure, encrypted messaging platform using RSA and AES-256.
- Developed API-driven data flow mechanisms ensuring secure data transmission.

- Optimized low-code automation for managing message encryption workflows.
- **Food Delivery Mobile App**
Android SDK | Firebase | Java | Material Design
 - Built a data-driven Android application with Firebase for real-time order tracking.
 - Designed efficient database structures to minimize latency and enhance performance.
 - Implemented data preloading mechanisms for a seamless user experience.
- **Hotel Management System**
Java SE 11 | MySQL | JDBC | Swing GUI | Netbeans
 - Created inventory management module with MySQL database connectivity
 - Implemented booking system with JDBC transactions and error handling
 - Developed Swing-based GUI with form validation and data visualization

Jan 2024



Oct 2022



EDUCATION

- **BSc(Hons) in Information Technology**
Horizon Campus
Malabe, Sri Lanka
Jun 2021 - May 2025
 - Undergraduate(current GPA-3.48)
 - **Coursework:** Cryptography, AI & Machine Learning, Software Architecture
- **Diploma in Information Technology**
Esoft Metro Campus
Bambalapitiya, Sri Lanka
2020
 - Pearson Certified in Information Technology
 - **Coursework:** Python, Graphic design, C#
- **Diploma in English**
Esoft Metro Campus
Bambalapitiya, Sri Lanka
2020
 - Pearson Certified in General English
- **G.C.E.Advanced Level Examination**
Ananda Maithreya Central College
Balangoda, Sri Lanka
2019
 - Science Stream

VOLUNTEER WORK & LEADERSHIP

- **Sub-editor & Technical Coordinator** (Debaters Club, Horizon Campus)
 - Led the technical operations for the club's major competitions.
 - Coordinated multiple teams to ensure seamless communication during the competition.
 - Played a key role in problem-solving and resolving technical issues on-site, showcasing leadership under pressure.
- **Tech Mentor & Code Reviewer** (2024 - Present)
 - Assisted peers in debugging and optimizing MERN stack applications.

CERTIFICATIONS

- Javascript Essential course-Cisco networking academy
- Pearson Certified in Information Technology-ESOFT Metro Campus
Dec 2021
- Pearson Certified in English-ESOFT Metro Campus
Jun 2022
- **Feature Engineering-Kaggle**
Jun 2024
- **Intro to Deep Learning-Kaggle**
Jul 2024
- **Computer Vision-Kaggle**
Aug 2024

REFERENCES

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