

CHATHURA DEVINDA

Software Engineer

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PROFILE SUMMARY

I am an innovative mobile app developer with a passion for creating user-friendly, scalable, and visually appealing solutions. I have honed my expertise in Flutter development, specializing in crafting cross-platform applications that seamlessly integrate functionality and design over 3+ years. With a strong commitment to delivering high-quality products, I thrive on helping businesses and individuals achieve their goals through tailored, cutting-edge app development.

EDUCATION

Bsc(Hons) Computer Science & Technology

2021 - PRESENT

- Sabaragamuwa University of Sri Lanka - Belihuloya

Secondary & Higher Education - Physical Science Stream

2011 - 2019

- Bandaranayake College - Gampaha

WORK EXPERIENCE

Associate Software Engineer (NovaLabs)

2026 JAN - PRESENT

- Worked on mobile app development with Bluetooth device integration, MVC architecture, and both online /offline modes.
- Enhanced app performance and reliability through debugging, testing, and implementing offline-first features with local database syncing.

Software Engineer intern - Mobile (NovaLabs)

2025 MAY - 2025 DEC

- Worked on mobile app development with Bluetooth device integration, MVC architecture, and both online /offline modes.
- Enhanced app performance and reliability through debugging, testing, and implementing offline-first features with local database syncing.
- Collaborated with cross-functional teams and followed Agile workflows, gaining hands-on experience with Git.

Mobile Application Developer (Freelancer)

2022 - PRESENT

- Developed & deployed cross-platform mobile apps (Flutter).
- Integrated RESTful APIs, Cloud Functions, Firebase, and databases, ensuring seamless functionality.
- Designed & optimized UI/UX, enhanced performance, and managed full SDLC for global clients.
- Integrated native Java and Swift code using Method Channels for custom app features.(Custom Flutter package)

PROJECTS

Triple T - Mobile Game

- A dynamic Tic Tac Toe game with single player and local multiplayer functionality.
- Used Technologies - **Flutter, Flame, Providers for State Management**
- Configured CI/CD pipelines using **GitHub Actions** to automate building, testing, and deployment to Google Play Store.

TumorVision (Brain Tumor Ditection Web Application) - Group Project

- Developed a web application for brain tumor detection using deep learning algorithms.
- Classifies tumors into glioma, meningioma, pituitary, or no tumor.
- Current prototype achieves 60-70% accuracy, with ongoing enhancements.
- Used Technologies - **Flutter, Python, PyTorch, OpenCV, Deep Learning, CNN (Convolutional Neural Networks)**

Hodi - Sinhala OCR App

- OCR app with machine learning for Sinhala text recognition.
- TensorFlow for handwritten & printed character detection.
- Used Technologies - **Flutter, TensorFlow, CNN, Media Handling**

ClassEase - Smart Student Attendance System

- Implemented QR code-based student attendance system for real-time tracking.
- Automated notifications to parents when a student enters or leaves the class.
- merged exam marks management for efficient student performance tracking.
- Used Technologies - **ReactJs, Bootstrap, NodeJs, ExpressJs, MongoDB**

TECHNICAL SKILLS

- **Languages** - HTML, CSS, JavaScript, Dart, Java, Python, Swift
- **Frameworks & Libraries** - Flutter, ReactJS, Bootstrap, Node JS, Express JS, Tailwind CSS
- **Databases** - MySQL, Firestore, MongoDB
- **Technologies & Tools** - AWS, Google Cloud, Firebase, Figma, GIT, VS Code, MVC, MVVM Architectures, Jira, State Management (Provider, RiverPod), CI/CD (GitHub Actions)

SOFT SKILLS

Teamwork, Leadership, Prioritize Workload, Excellent Planning, Good Communication, Adaptability, Time Management, Problem Solving

LANGUAGES

- Sinhala (Fluent)
- English (Intermediate)
- Japanease (Intermediate)

AWARDS

- **Gold Medalist of RIIIE For Best Innovations of University Category**
University of Ruhuna And Southern Province IDB
- **Finalist of Sri Lanka AI Challenge - 2024**
AI Driven Sri Lanka
- **Finalist of HackX - 2022**
Inter University Startup Challenge University of Kelaniya
- **Finalist of Meta+ 2.0 - 2023**
The Research competition University of Colombo

EXTRA CURRICULAR ACTIVITIES

IEEE Student Branch | SUSL - Active Member
Society of Technological Studies | SUSL - Active Member
YFC - Kegalle District Society - President (2020-2021)

NON RELATED REFERENCES

Prof. (Dr.) R.M. Kapila Tharanga Rathnayaka
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