DILUK UDAYAKANTHA

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 LinkedIn   GitHub   Portfolio

Aspiring Software Engineer with hands-on experience in full-stack development, QA workflows, and collaborative coding environments. Skilled in MERN, Flutter, and React.js with a strong foundation in data structures, version control, and bug fixing. Passionate about learning new technologies and contributing to high-performance applications in agile teams.

EXPERIENCE

AIZOTECH – MALABE

Associate Software Engineer   *Nov 2024 – Present*

- Delivered full-stack web and mobile applications for 12+ international clients via Fiverr, specializing in MERN stack and Flutter-based solutions with 100% client satisfaction.
- Built scalable and visually polished applications with integrated REST APIs, Firebase, local persistence, and real time features.
- Integrated AI-powered features into cross-platform mobile apps, including ML model deployment and inference pipelines, achieving up to 85% prediction accuracy in skincare analysis and product recommendations.
- Developed and deployed CloseCart, a full-stack advertising platform using MERN stack and Flutter, with geolocation based deal discovery and personalized AI recommendations.
- Practiced agile workflows, version control with Git & GitHub, and implemented automation through GitHub Actions.
- Additionally, began exploring Next JS to evaluate its capabilities and performance as part of a broader comparison with React for web development.

SILICON RADON NETWORKS – KANDY

Intern Flutter Developer   *Apr 2024 – Nov 2024*

- Built cross-platform apps using Flutter and Firebase, implementing real-time booking, push notifications, and local data persistence to improve user engagement by up to 35%.
- Designed and developed custom-tailored mobile applications for clients in the restaurant, salon, and e-channeling sectors, delivering MVPs within 6 weeks and achieving 100% client acceptance on first delivery.
- Developed and maintained RESTful APIs to support seamless communication between the frontend and backend systems.
- Utilized version control systems like Git to ensure code quality and collaboration efficiency.

EDUCATION

CINEC Campus, Malabe   *Jun 2021 – Jul 2025*
BSc (Hons) in Software Engineering
First Class

Dharmaraja College, Kandy   *Jan 2010 - 2019*
Passed G.C.E (A/L) Examination in Physical Science, in 2019
Passed G.C.E (O/L) Examination, in 2015

PROJECTS

CloseCart - Location Based Advertisements Platform (Explore)
Technologies: Flutter, Dart, ExpressJS, MongoDB, Machine Learning, Open Street Maps

- Developed CloseCart, a web based system using the MERN stack, designed for small business owners to publish and manage offers and discounts.
- Built a Flutter mobile application that utilizes geofencing and real-time location tracking to help users discover the best nearby deals.
- Integrated an AI powered recommendation system to personalize offers based on user preferences and behavior.
- Implemented an insights dashboard, enabling shop owners to track offer performance and customer engagement through real time analytics.

Manusath Derana Management System
Technologies: MongoDB, ExpressJS, NodeJS, React, Flutter

- Developed a centralized management system to digitalize Manusath Derana's file-based operations and enhance administrative efficiency.
- Built an intuitive admin dashboard using the MERN stack, enabling streamlined oversight and management of donor activities.
- Implemented real-time updates and notifications via a Flutter-based mobile application to keep donors informed and engaged.

Clerr - AI Based Virtual Skin Care Assistant (Explore)
Technologies: Flutter, Dart, Hive, Provider, Firebase, Cloudinary, Machine Learning

- Developed a virtual skincare assistant that analyzes users' skin conditions daily and provides personalized improvement suggestions.
- Integrated a trained ML model via API call to assess skin health based on daily selfie uploads, enabling real-time condition tracking.
- Provided AI-driven recommendations for skincare products, dietary choices, and skincare tips tailored to individual needs.
- Implemented a history feature, allowing users to review past skin condition assessments and track their progress over time.

Gymnai – AI Based Fitness Trainer (Explore)
Technologies: Flutter, Dart, Provider, Google MLKit

- Developed Gymnai, an AI-driven fitness trainer mobile application using Flutter, designed to detect and correct users' exercise posture in real-time.
- Implemented voice guidance to guide users during exercises for better usability.
- Integrated Google MLkit for posture recognition and analysis, providing instant feedback and suggestions to improve exercise form.
- Designed a session report feature to summarize user performance after each exercise.
- Focused on seamless device setup and camera integration for an intuitive and user-friendly experience.

Citilytics - Image Classification Mobile Application (Explore)
Technologies: Flutter, Dart, Firebase, Tensorflow Lite

- Developed Citilytics, a real-time object detection and image classification mobile application using Flutter, designed to identify vehicles with advertisements.
- Integrated TensorFlow Lite for efficient object detection, enabling the app to capture and store images of identified vehicles locally.
- Implemented Google Drive integration, allowing users to upload captured images seamlessly after logging into their Google accounts.
- Provided advanced customization features, including adjustable confidence thresholds and support for user-provided TensorFlow Lite models, enhancing usability and adaptability.

AizoTF – TFLite Model Checking App (Explore)
Technologies: Flutter, Dart, TensorFlow Lite

- Developed AizoTF, a mobile application designed to test TensorFlow Lite machine learning models for image classification and object detection.
- Implemented a user-friendly interface to upload and validate TFLite model files and label files, ensuring seamless testing of model compatibility.
- Optimized for SSD MobileNet models, providing real-time inference and evaluation of model performance.
- Designed with extendability in mind, allowing future support for additional model architectures and configurations.

CERTIFICATIONS

KodeKloud Engineer - Ansible - Level 1 (2025)
KodeKloud Engineer - Git - Level 1 (2025)
Professional Certificate in Java Programming (2022)
Android App Development for Beginners (2022)

SOFT SKILLS

Professional Communication
- Expert at crafting clear, polite emails for job applications, project updates, and client interactions.
- Skilled in summarizing complex technical concepts for non-technical audiences.

Detail-Oriented Execution
- Strong focus on clean code architecture, naming conventions, and documentation.
- Ensures all necessary information is included in both technical and academic work.

Problem Solving & Adaptability
- Proactive in identifying bugs and performance issues.
- Quick learner with a passion for exploring new tools and best practices.

Collaboration & Teamwork
- Thrives in team environments with shared goals and feedback loops.
- Open to mentorship and consistently applies constructive feedback.

Organization & Planning
- Creates hierarchical structures, sitemaps, and modular plans for scalable development.
- Manages tasks efficiently while maintaining industry-level standards.

Growth Mindset
- Seeks feedback regularly and iterates for improvement.
- Motivated by challenges and proud of delivering high-quality work under tight timelines.

TECHNICAL SKILLS

Frontend Development
- React.js, Next.js, Tailwind CSS, HTML5, CSS3, JavaScript (ES6+).
- Component modularization, design systems, responsive UI/UX implementation.

Backend & Full Stack
- Node.js, Express.js, MongoDB, Firebase, RESTful APIs.
- Authentication (JWT, Firebase Auth), CRUD operations, MVC architecture.
- Basic deployment (Vercel, Netlify, Render), environment configuration.

Mobile Development
- Flutter (Dart), cross-platform UI development, Firebase integration.
- State management (Provider, Riverpod), form validation, navigation.

Version Control & Collaboration
- Git, GitHub, GitHub Actions.
- Branching strategies, pull requests, issue tracking (Jira, Trello, GitHub Issues).
- Agile workflows, peer code reviews, collaborative debugging.

Testing & QA
- Manual testing, bug diagnosis, performance optimization.
- Exposure to test automation concepts.
- Familiarity with QA workflows and reliability checks.

Other Tools & Technologies
- VS Code, Postman, Chrome DevTools, npm/yarn.
- Markdown, Notion, Google Workspace.
- Basic familiarity with DevOps tools (Ansible, Kubernetes, Linux, Nginx).

REFERENCES

Available upon request