SENIRU HASITH GOONATHIALAKE

Flutter Developer ~ Mobile App Engineer

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SUMMARY

Motivated Computer Science graduate with 1.5 years of hands-on experience as a Flutter Developer specializing in mobile app development. Proficient in designing, developing, and deploying iOS and Android applications using Flutter, Firebase, and modern CI/CD pipelines. Adept at state management, API integration, and delivering scalable, secure, and high-performance solutions. Passionate about collaborating with cross-functional teams to build customer-focused applications.

SKILLS

Languages: Flutter, Dart, Swift, Objective-C, Kotlin, JavaScript, TypeScript, React Native, SQL, MongoDB, Python, HTML, CSS

Technologies: Firebase (Firestore, FCM, Authentication, Analytics, Distribution), Xcode, Android Studio, RESTful APIs, GraphQL, JWT, Bloc, Provider, GetX, Riverpod, Platform Channels, In-App Purchases, Azure DevOps, GitLab CI/CD, Fastlane, App Store Connect, Google Play Console

Mobile: UI/UX Design Patterns, Local Storage (Hive, SQLite, SharedPreferences, Flutter Secure Storage), Push Notifications, Biometric Authentication, Camera & Media Integration, Maps & Location Services, Responsive Design, State Management, Offline-First Architecture, Deep Linking, App Performance Optimization

EXPERIENCE

2023 – 2024 **Trainee Software Engineer (Flutter Developer)** **Hitachi Digital Payment Solution (Pvt) Ltd.**

- Led development of **WePay Mobile Application** for Sampath Bank, a Flutter-based digital payment solution:
  - Designed Azure CI/CD pipelines for automated builds, app signing, and Firebase Distribution for iOS and Android.
  - Integrated RESTful APIs, Firebase Authentication (Google, Apple, Facebook), and payment gateways.
  - Implemented Firebase Analytics to track user behavior and app performance.
  - Managed state with Bloc Architecture for scalability and maintainability.
  - Upgraded the app to Flutter 3, resolving dependency issues.
- Developed **CenteMobile & Retail Banking Application** for Centenary Bank:
  - Built CenteMobile (Flutter) with Firebase Authentication, FCM push notifications, and Firebase Analytics.
  - Created a Flutter Web retail banking app with QR payment features and third-party API integrations.
  - Ensured security with OAuth and JWT; optimized performance using Provider and Bloc Architecture.
- Deployed apps to Google Play and App Store using Xcode and Fastlane.
- Collaborated with clients to gather requirements and deliver scalable solutions.

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Flutter  /  Dart  /  Firebase  /  Azure DevOps  /  Xcode
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2023 – 2023 **Software Engineer Intern** **Hitachi Digital Payment Solution (Pvt) Ltd.**

- Contributed to early development of Flutter-based mobile apps, including WePay and CenteMobile.
- Assisted in Firebase Authentication and Firebase Distribution integration for payment solutions.

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Flutter  /  Dart  /  Firebase
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PROJECTS

Machine Learning **Movie Success Prediction Model/Final Project** **GitHub Repository**

Developed a machine learning model to predict movie success using XGBoost regression. The model combines sentiment analysis of YouTube trailer comments, audio feature extraction with VGGish, and visual analysis with ResNet to estimate box office performance.

Technologies Used: XGBoost, VADER, VGGish, ResNet, Python, TensorFlow/PyTorch, Scikit-learn, YouTube API.

| Mobile Application | **Mobile Application for Emergency Call Stress Analysis** | **GitHub Repository** |

Mobile Application for Emergency Call Stress Analysis **GitHub Repository**
Built a deep learning framework for real-time threat assessment in emergency communication systems, integrated with a Flutter app and Firebase.

Technologies Used: Flutter, Dart, Firebase, Python, Flask, TensorFlow/Keras, Audio Analysis, VADER.

Deep Learning **CT to MRI Image Translation using Deep Learning** **GitHub Repository**
Developed an encoder-decoder neural network to translate CT images into MRI images for improved diagnosis.

Technologies Used: Python, TensorFlow/PyTorch, Keras, Convolutional Neural Networks (CNN), Encoder-Decoder Models.

Simulation **4-DOF Robotic Arm Simulation for Minimally Invasive Surgery** **GitHub Repository**
Developed a Python-based simulation of a 4-degree-of-freedom robotic arm using DH parameters for surgical applications.

Technologies Used: Python, NumPy, Matplotlib, DH Parameters, Robotics Kinematics

EDUCATION

1/2021 - 2025 **Informatic Institute of Sri Lanka - Affiliated with University of Westminster** **University**
Enrolled, Final Year Student (BSc in Computer Science)

2005 - 2020 **O.K.I. International School** **School**
Cambridge Assessment International Education

Advanced Level Results:

- A* in Accounting
- A in Business Studies
- A in Computer Science
- B in Economics

2019 - 2020 **Esoft Metro Campus - Software Application Development** **Certificate**
Certificate in Diploma of Education, Software Application Development

2023 **Machine Learning with Python** **Certificate**
LinkedIn Learning

ACHIEVEMENTS

Feb 2023 **Open Hack 2.0** **Informatics Institute of Technology**
Placed 9th out of 30 teams in the competition.

Nov 2022 **Mozilla UI/UX Bootcamp** **Informatics Institute of Technology**
Participated in the bootcamp conducted by WSO2 and Rootcode.

2020–2021 **Academic Scholarships** **O.K.I. International School**
Received 80% scholarship for A-levels. Ranked among top 5 students for both O-levels and A-levels. Awarded best achiever in Cambridge exams.

REFERENCES

Mr. Manohara Atukorala **Chief Executive Officer (CEO), Toyota Lanka (Private) Limited**
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