Tarin Ransana Gunarathna

Phone: +94 75 081 2244
Email: taringunarathna25@gmail.com
GitHub: tarin-gunarathna
Website: tarin-gunarathna
LinkedIn: tarin-gunarathna
Birthday: 11th July 2005 (Age 20)

SUMMARY

Final-year Software Engineering undergraduate specializing in mobile application development. Skilled in Android development, RESTful APIs, and object-oriented programming, with experience building user-friendly, high-performance mobile apps. Passionate about problem-solving and innovative software design.

EDUCATION

B.Sc. in Software Engineering (Top Up)   **2024 - Present**
Birmingham City University (Java Institute), UK

Higher Diploma in Software Engineering
UK Awards (Java Institute)

Diploma in Software Engineering
UK Awards (Java Institute)

Advanced Certificate
Elocution of English

School Education
Highlands College – Nugegoda, Sri Lanka.
Thurstan College – Colombo 07, Sri Lanka.

SKILLS

- **Languages:** Java | PHP | JavaScript | HTML & CSS | Arduino | C#
- **Technical Fields:** Full Stack Web Development | Android Development | Game Development | Backend Development | IOT
- **Databases:** MySQL | SQLite | Firebase | Hibernate
- **Tools & Services:** Git | Postman | Android Studio | Visual Studio Code | IntelliJ | NetBeans
- **Frameworks:** React Native | React.js

PROJECTS

Food – Android App   **2025 Jan - 2025 Feb**
- Aims to design and develop a **smart food e-commerce mobile app** dedicated to food lovers.
- Enables users to **browse, order, and pay** for their favorite foods seamlessly.
- Includes a **dedicated customer** app for buyers.
- Exclusively launched as a **food-only e-commerce platform**, ensuring a tailored experience for food buyers.
- **Tech Stack**: Java (Android), Firebase, SQLite, Hibernate, MySQL, popular Android UI/UX

Food Seller – Android App   **2025 Jan - 2025 Feb**
- Aims to design and develop a **dedicated seller-side mobile app** for food shops and restaurants.
- Enables sellers to **list food items, manage orders, track deliveries, and monitor sales** seamlessly.
- Designed exclusively for **food sellers**, ensuring secure access and business-focused features.

- Features **animated charts** for real-time sales analytics and performance visualization.
- Integrates **Google Maps API** for delivery tracking and location-based order management.
- **Tech Stack**: Java (Android), Firebase, SQLite, Hibernate, MySQL, Google Maps API, charting/analytics

2025 April

Sandow – Android App

- Aims to design and develop a **fitness and gym mobile app** that motivates users in their workout journey.
- Provides **individual workout guidance** with tailored exercise plans and tracking.
- Integrates **vibration sensor feedback** to give users a real-time responsive feel during workouts.
- Offers a **personalized fitness companion experience**, helping users stay consistent and achieve goals.
- **Tech Stack**: Java (Android), Firebase, SQLite, Android Sensor APIs, modern UI/UX libraries

2024 Nov

PURE – React Native App

- Aims to design and develop **"PURE" – a modern React Native chat application.**
- Allows users to **add new contacts, send messages, and react to chats** with expressive interactions.
- Focuses on a **clean and intuitive UI/UX**, providing a smooth cross-platform experience on both Android and iOS.
- Integrates **popular React Native libraries** for enhanced performance, animations, and real-time messaging.
- **Tech Stack**: React Native, JavaScript, third-party libraries (React Navigation, Emoji Picker, etc.).

2025 May

3D Adventure Game – Knight vs Monster (Unity)

- Designed and developed a **3D action-adventure game** where a knight battles monsters in a jungle environment.
- Integrated **realistic 3D assets, sound effects, and animations** for an immersive gameplay experience.
- Implemented **player combat mechanics**, enemy AI, and health systems using Unity and C#.
- Enhanced gameplay with **environmental effects** (jungle terrain, ambient sounds) and optimized performance.
- **Tech Stack**: Unity, C#, NavMesh, 3D Assets, AudioFX

2025 June

National Bank – EJB-Based Banking System

- Developed a **secure enterprise-level banking system** with multi-role support (admins & users).
- Implemented **core banking features**: account creation, fund transfers, and user management.
- Utilized **EJB Timer Services** for scheduled fund transfers and applied Interceptors for system-wide logging.
- Enforced **robust security** through **JAAS** and container-managed role-based access control.
- **Tech Stack**: J2EE, EJB, JPA, Jakarta Security, JAAS, MySQL, Hibernate

2025 July

Luxury Auction – Distributed Online Auction System

- Built a **real-time online auction platform** with distributed J2EE architecture.
- Implemented **user registration, authentication, bidding, and auto-bidding** with **fair bid prioritization**.
- Developed **business logic with EJB** and enabled **real-time bid updates** using **JMS and WebSocket**.
- Managed product and bid data **in-memory** with session beans and **Gson serialization**.
- **Tech Stack**: Java, EJB, JMS, JSP, WebSocket, Gson, HTML, CSS, JavaScript

REFERENCE

Dr. Darshana Jayasinghe
TLT Member/AVP -Marketing at NDB Bank
President of MAA USJ
darshana1@gmail.com
0772962520

K.T.G. De silva
Manager Prepress
ACME printing & packaging PLC
thilina.s@acmelk.com
0703400799