Shivananda Bharathi K

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EDUCATION

Alliance University   Bengaluru, India
Bachelor of Technology in Computer Science and Engineering   *2021 – 2025*

TECHNICAL SKILLS

Languages: C++, JavaScript, Typescript, Python.

Technology & Tools : React.JS, ReactNative, Redux Toolkit, Tailwind CSS, REST API, NodeJS, Microservices, OAuth, Postman, JWT, MySQL, PostgreSQL, MongoDB, RealmDB, SQLite, Linux, Jest, Firebase cloud, Supabase, Vercel, Agile methodology.

Version control : Git, GitHub, Gitlab.

EXPERIENCE

Mobile Application Development Intern   Oct 2024 – March 2025
Anugraha Exceed Pvt Ltd   *Bengaluru, KA*

- Upgraded the legacy mobile app by implementing **offline functionality** using **SQLite** and optimized database performance.
- Designed and developed new **React-Native** app with clean UI, reusable **custom components**, and responsive layouts.
- Implemented **Realm-DB** and **Redux** based offline-first state management to ensure seamless data retention and sync.
- Integrated **REST APIs** and ensured backward compatibility by matching server payloads for accurate report generation.
- Participated in **agile sprints**, debugged issues, and delivered production-ready iOS builds using Xcode.

PROJECTS

LinkLeaf | React, Redux, Typescript, Supabase, Tailwind   [Live]

- Developed a web app, **LinkLeaf**, to organize and manage categorized links with a clean light/dark mode interface.
- Built using **React**, **Tailwind CSS**, featuring folder creation, search, and link preview for structured browsing.
- Integrated **Supabase (Auth + PostgreSQL)** for authentication and database management, including **Google OAuth** enabling secure user access and real-time data sync.

RE-Tool | C++, Qt, Makefile   [Repo]

- Developed a Reverse engineering (RE) modular binary analysis tool in **C++ (Qt)**.
- Implemented core modules, such as hash viewer, string extraction, entropy analysis, PE parsing and hash calculation.
- Integrated pattern search, signature detection for malware identification.

GuardVault | ReactNative, Typescript, Expo, Redux, SQLite   [Repo]

- Developed a mobile app for managing passwords using **React Native** to store sensitive data offline using **SQLite**.
- Implemented **AES-256 Encryption** and **biometric auth** to ensure data security and user privacy.
- Used **Redux** and **Redux-persist** to maintain encrypted state and seamless session continuity.

CERTIFICATIONS

- Developing Front-End Apps with react - IBM [Link]
- Introduction to Mobile Development - META [Link]
- Palo Alto Networks CyberSecurity - Palo Alto [Link]