

VISHAL BALANI

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PROFESSIONAL EXPERIENCE

INDIA HEALTH LINK

Chennai, Tamil Nadu

Flutter Developer

May 2024 - Present

- Collaborated with industry professionals to develop and maintain the Flutter-based healthcare applications “hCare” and “IHL Partner”.
- Integrated VAPT for enhanced security.
- Worked with REST APIs, Firebase, Google Fit, Apple Health, and 3rd party SDKs for additional functionality.

YATRI CAR RENTAL

Remote

Intern - Flutter Developer

January 2024 - April 2024

- Collaborated on developing two mobile apps (user and driver), with efficient state management implemented using Riverpod 2.0 and build_runner, achieving a 25% improvement in app performance. Scalability, productivity, and smooth user experience are maintained with quality assurance.
- Location matrix and distance measurement without internet connectivity are managed using device-native geolocation, ensuring a 10m tracking accuracy.
- Leveraged OpenStreetMap and OSRM for tracking and cost optimization initiatives.
- Network-related tasks, including the integration of 20+ REST APIs and real-time tracking features, are handled using Socket Cluster.

Software Project Management Experience

- Supervised organization repositories on GitHub, GitHub Actions Pipelines were implemented, and CI/CD for APK builds was automated for the QA testing team, reducing deployment time by 20% for maintaining efficient workflows in a development environment.
- Communication with the backend team and non-technical stakeholders was facilitated, ensuring effective collaboration and understanding across technical and non-technical teams.

PROJECTS

ENCRYPTOSAFE

Mobile Application Development

November 2023 - January 2024

- Cross-platform Flutter application integrated with Firebase, utilizing Riverpod for state management
- Additional Features: Push Notification, User Last Online Status

EDUCATION

BENNETT UNIVERSITY

Uttar Pradesh, India

BTech. Computer Science Engineering

2021-2025

- CGPA: 9.35
- Letter of Appreciation from Dr. Deepak Garg, Dean of SCSET

SKILLS

- **Technical Skills:** Flutter Framework, Dart, Java, SQL, Isolates, Platform Channels, State Management (Provider, Riverpod, Bloc), Architectures (MVVM, Clean Architecture, Repository Pattern), API Integration (RESTful, GraphQL), Firebase, Push Notifications (Firebase Cloud Messaging - FCM, OneSignal), Local Database Management, Payment Gateway Integration (In-App Purchases, Razorpay) Documentation
- **Tools and Platforms:** Linux, LaTeX(Overleaf), Version Control (Git, GitHub), Postman, Android Studio, Figma, Adobe XD, CI/CD, Software development life cycle, Deployment on Google Play Store and App Store
- **Soft Skills:** Data-driven decision-making, Strategic troubleshooting, Project management, Teamwork, Agile development, Precision-focused

ADDITIONAL INFORMATION

- Certifications: Certified Network Defender(CNDv2) by EC-Council 2023-2026
- Award: #51/500, NCOE Embedded Security CTF 2022
- Publications: (In press) “An Enhanced RSA Algorithm to Counter Repetitive Ciphertext Threats Empowering User-Centric Security,” SCPE (Scalable Computing: Practice and Experience) Journal 2024
- Interests: Linux Exploration, Mobile Gaming Enthusiast